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<110> ROSETTA GENOMICS LTD

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GENES AND USES THEREOF

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<170> PatentIn version 3.2

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 <213> Equine arteritis virus
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<213> Equine arteritis virus
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<213> Human enterovirus B

<400> 207

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<211> 130

<212> DNA

<213> Human herpesvirus 4

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 <211> 76
 <212> DNA
 <213> Zaire Ebola virus
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gttatgacgc attagc 76

<210> 220

<211> 126

<212> DNA

<213> Human papillomavirus type 86

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<210> 221

<211> 61

<212> DNA

<213> Zaire Ebola virus

<400> 221

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<210> 222

<211> 84

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<213> Parvovirus H1

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<211> 70

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<211> 76

<212> DNA

<213> Parvovirus H1

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<211> 66

<212> DNA

<213> Parvovirus H1

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<210> 226

<211> 62

<212> DNA

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<212> DNA		
<213> Parvovirus H1		
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<212> DNA		
<213> Parvovirus H1		
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<212> DNA		
<213> Canine adenovirus		
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 <211> 100
 <212> DNA
 <213> Human herpesvirus 1
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 <212> DNA
 <213> Fowl adenovirus D
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 <212> DNA
 <213> Beet yellows virus
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 <212> DNA
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 aaaacggggc cccccc 76
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 <212> DNA
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 <211> 128
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 ctccacac 128
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 <211> 81
 <212> DNA
 <213> Human herpesvirus 1
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gcgggggggag gagcggggggg aggagc 86

<210> 248

<211> 131

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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<211> 81

<212> DNA

<213> Amsacta moorei entomopoxvirus

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ttctatagat ttaataaatc c 81

<210> 250

<211> 68

<212> DNA

<213> Parsnip yellow fleck virus

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gctcagtc 68

<210> 251

<211> 60

<212> DNA

<213> Myxoma virus

<400> 251

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<211> 129

<212> DNA

<213> Ectromelia virus

<400> 252

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atgtatacc 129

<210> 253

<211> 73

<212> DNA

<213> Ectromelia virus

<400> 253

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aaaagtattt aca 73

<210> 254

<211> 85

<212> DNA

<213> Yellow fever virus

<400> 254

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ctttgatga caaacacaaa accac 85

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<211> 107

<212> DNA

<213> Macaca mulatta rhadinovirus

<400> 255

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<211> 111

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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cgccgcgaag atgtctgtac ctacctaca ttgtgagtgt tgcaagtgtc c 111

<210> 257

<211> 61

<212> DNA

<213> Human papillomavirus type 20

<400> 257

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<210> 258

<211> 79

<212> DNA

<213> Human adenovirus A

<400> 258

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gtgtaatttg attgggtgg 79

<210> 259

<211> 131

<212> DNA

<213> Ateline herpesvirus 3

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<211> 131

<212> DNA

<213> Fowl adenovirus D

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<211> 65

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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 <212> DNA
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 <210> 267
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 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <211> 63
 <212> DNA
 <213> Sulfolobus virus SIRV-1
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act 63

<210> 269

<211> 72

<212> DNA

<213> Human papillomavirus type 36

<400> 269

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<210> 270

<211> 121

<212> DNA

<213> Variola virus

<400> 270

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<210> 271

<211> 126

<212> DNA

<213> Melanoplus sanguinipes entomopoxvirus

<400> 271

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taatca 126

<210> 272

<211> 112

<212> DNA

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<212> DNA

<213> Amsacta moorei entomopoxvirus

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<210> 274

<211> 68

<212> DNA

<213> Rat cytomegalovirus

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tgcaacaa 68

<210> 275

<211> 64

<212> DNA

<213> Shallot virus X

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 tagtaacc 68
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 <211> 83
 <212> DNA
 <213> Gallid herpesvirus 2
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 <213> Garlic virus A
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 <213> Rabbit fibroma virus
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 <213> Equine herpesvirus 4
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 <210> 282
 <211> 65
 <212> DNA
 <213> Louping ill virus
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 <212> DNA
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<213> Y73 sarcoma virus
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<213> Human herpesvirus 6
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 <213> Paramecium bursaria Chlorella virus 1
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 <212> DNA
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 <212> DNA
 <213> Ovine lentivirus
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<213> Meleagrid herpesvirus 1

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<212> DNA

<213> Friend murine leukemia virus

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<213> Meleagrid herpesvirus 1

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<211> 64

<212> DNA

<213> Gallid herpesvirus 3

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<212> DNA

<213> Rat cytomegalovirus

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<212> DNA

<213> Human herpesvirus 1

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<213> Chimpanzee cytomegalovirus

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 <212> DNA
 <213> Peanut clump virus
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<213> Paramecium bursaria Chlorella virus 1

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<212> DNA

<213> Human papillomavirus type 60

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<210> 371

<211> 81

<212> DNA

<213> Cowpox virus

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<212> DNA

<213> Bovine adenovirus B

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<211> 89

<212> DNA

<213> Human coronavirus 229E

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<211> 80

<212> DNA

<213> Human papillomavirus type 60

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 cctc 124
 <210> 381
 <211> 76
 <212> DNA
 <213> Human herpesvirus 6B
 <400> 381

tactgatctc ttgttttt ttttctgtg tattgtgata gggaagggtt gtaaggacaa 60
aggacaaagt tcagta 76
<210> 382
<211> 92
<212> DNA
<213> Variola virus
<400> 382
gatcatatag ttatgtatat tagtgacgaa tcaagagatg aaaataatcc tgaatatatt 60
gattttcgta acagatacgg agactataga tc 92
<210> 383
<211> 77
<212> DNA
<213> Dengue virus type 4
<400> 383
gatcctgctg tctctgcaac atcaatccag gcacagagcg ccgcaagatg gattggtgtt 60
gttgatccaa caggttc 77
<210> 384
<211> 86
<212> DNA
<213> Garlic latent virus
<400> 384
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tcggtgccct cgttgcttca ggtgct 86
<210> 385
<211> 68
<212> DNA
<213> Gallid herpesvirus 2
<400> 385
gcacttttt ttccgattt tgactcctcg tacatatatc gataatgtag ctattggagg 60
atggaggc 68
<210> 386
<211> 97
<212> DNA
<213> Grapevine trichovirus B
<400> 386
gtcaacagt ataggatttt aagtctcctt tgtagaatca ataaagttag tgtgtcattc 60
gtagtgagtt gtctgggttag gagggagtgt gtcgggc 97
<210> 387
<211> 60
<212> DNA
<213> Rat cytomegalovirus
<400> 387
ggagcggggg ggatctcgac gcgcgcgacg gacagatcga gacggaccag gcccggttc 60
<210> 388
<211> 129
<212> DNA
<213> Rabbit oral papillomavirus
<400> 388
cagcaatttt acagtttgt cttgtctgga gaccgctgcc ggtcgcgcta atccctcagg 60
taagcttaaa ggattagctg ctcgaccgaa agcgggtcca ggtggttagga attactcagg 120

cgattgttg 129

<210> 389

<211> 66

<212> DNA

<213> Equine herpesvirus 1

<400> 389

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agagcc 66

<210> 390

<211> 60

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

<400> 390

gaaatcaagg gatgcgttg atcttctcat aaaaagactc aacgtcatt cgattattc 60

<210> 391

<211> 110

<212> DNA

<213> Tupaia herpesvirus

<400> 391

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ttaacggtgg ttgtacgat agaaaagcct gttgtcagag agcggaccca 110

<210> 392

<211> 89

<212> DNA

<213> Apple latent spherical virus

<400> 392

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tccttcacgt ttgcacctta cactctcta 89

<210> 393

<211> 71

<212> DNA

<213> Grapevine trichovirus B

<400> 393

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tcgataaggc a 71

<210> 394

<211> 62

<212> DNA

<213> Pestivirus Giraffe-1

<400> 394

ccccgatgcg aaggccgaaa agggctaacc atgcccttag taggactagc aaaaaatcgg 60

gg 62

<210> 395

<211> 67

<212> DNA

<213> Fowlpox virus

<400> 395

atcataaaat cttaattat tatttatatt ttattagcga tataaatcta tcaaagaacc 60

ttatgat 67

<210> 396

<211> 94
 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 tttggcccc gctccccgc tttgacatc acgg 94
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 <211> 75
 <212> DNA
 <213> Avian sarcoma virus
 <400> 397
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 tgatagttag ggaat 75
 <210> 398
 <211> 111
 <212> DNA
 <213> Rous sarcoma virus
 <400> 398
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 tcatttgggtg accccgacgt gatagttagg gaatagtggc cggccacaga c 111
 <210> 399
 <211> 61
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 399
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 t 61
 <210> 400
 <211> 60
 <212> DNA
 <213> Y73 sarcoma virus
 <400> 400
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 <210> 401
 <211> 107
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 401
 gcaattagat ttgtaatgtt tgataccgcc aacgtctctg aagaaacaaa aatctcggct 60
 gatatagaag ttgcgtcgaa tctgtcacg ttagatctg aatttgc 107
 <210> 402
 <211> 61
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 402
 gtggcgtagg agtggcgaac cggcgctatt ataatacaaac gccggagtcg ccgcccccca 60
 c 61
 <210> 403
 <211> 78
 <212> DNA

<213> Avian sarcoma virus
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 agcactcaga gagtcgtt 78
 <210> 404
 <211> 122
 <212> DNA
 <213> Tupaia paramyxovirus
 <400> 404
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 caaagcttac cttcattaca gtttcacttg ctcttcact atcccagtac cctaaacctg 120
 ta 122
 <210> 405
 <211> 90
 <212> DNA
 <213> Fujinami sarcoma virus
 <400> 405
 gaccgttgag tccctaacga ttgcgaacac ctgaatgaag cggaaggctt catttgggtga 60
 ccccgacgtg atcgtaggg aatagtggtc 90
 <210> 406
 <211> 86
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 406
 ggaactttaa atgtgacgca tcttttcagg tagtggtgga gacatagatc agatttgaga 60
 ggaaccacag aacatcaaag gtattc 86
 <210> 407
 <211> 97
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 407
 gtggcttgaa catctacttg agaagatact acgttcgaag cgaccagcga gggtacgttc 60
 aaagtgctta cgtagacga tgtaagatc aagttac 97
 <210> 408
 <211> 122
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 408
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 gtgttcgtgg ttactgttcc tacattggca ttgatatcg tagcaacatt ggttgtaaca 120
 tc 122
 <210> 409
 <211> 80
 <212> DNA
 <213> Fowlpox virus
 <400> 409
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 atttgtgagt aattgcttta 80
 <210> 410
 <211> 80

<212> DNA
 <213> Yaba-like disease virus
 <400> 410
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 ggtagctcct gtcgatattc 80
 <210> 411
 <211> 63
 <212> DNA
 <213> Yaba-like disease virus
 <400> 411
 gaagtagcga acctctgctc actgcccggg ccctccggga ggtgagcagg agttgcgctt 60
 ttc 63
 <210> 412
 <211> 67
 <212> DNA
 <213> Yaba-like disease virus
 <400> 412
 ccctacagaa aagataatgg ctaccatcca caagggatta ctgaaggcct tagatctgag 60
 cttggggg 67
 <210> 413
 <211> 66
 <212> DNA
 <213> Yaba-like disease virus
 <400> 413
 ggggaccagt tctgatagtg acagatagta attatgttgc taagagttat aatgaagaat 60
 tgcctt 66
 <210> 414
 <211> 70
 <212> DNA
 <213> Yaba-like disease virus
 <400> 414
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 ccgtgtccgc 70
 <210> 415
 <211> 75
 <212> DNA
 <213> Yaba-like disease virus
 <400> 415
 tctgaataaa acatcaatgt cgcaatttgt attgtccaat acagaatgtc tatgattcgt 60
 gttaaaacca tcgga 75
 <210> 416
 <211> 126
 <212> DNA
 <213> Yaba-like disease virus
 <400> 416
 agagactgtg atggggcagc ctactccgaa gaccctcga caactaaggg agttcctagg 60
 gacggcaggc ttctgtgcc tctggatccc tgggtttgca gaaatggcag ccccttgta 120
 ccctct 126
 <210> 417
 <211> 81

<212> DNA
 <213> Yaba-like disease virus
 <400> 417
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 atgctacata tgaaatatag a 81
 <210> 418
 <211> 63
 <212> DNA
 <213> Yaba-like disease virus
 <400> 418
 agaggggggag tgtgtggtct gtagagagac atgagttgat cggcagaccc cctctcccc 60
 tct 63
 <210> 419
 <211> 83
 <212> DNA
 <213> Yaba-like disease virus
 <400> 419
 tctcacctg acagctgtca ggggttacat gagagaactt catgtaaccc ctgacagctg 60
 tcaacctaat cctgaccgtg aga 83
 <210> 420
 <211> 86
 <212> DNA
 <213> Yaba-like disease virus
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 gcattgttta cagcagatgt cgtagacatc ttgaaggaca taccaaattg tcaggtatat 60
 gtggatgacg tctatgtgag ctcage 86
 <210> 421
 <211> 63
 <212> DNA
 <213> Yaba-like disease virus
 <400> 421
 gacacttgc cagcgggtgt agattatca ttttctcca ctacatatcc gttacaatt 60
 gtt 63
 <210> 422
 <211> 72
 <212> DNA
 <213> Yaba-like disease virus
 <400> 422
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 taccctttt gc 72
 <210> 423
 <211> 100
 <212> DNA
 <213> Yaba-like disease virus
 <400> 423
 agggcaatgc ttagcagat aaacaagctg ttcaggaag ctataaggtc ttctcaaag 60
 aattgaaacc cagcctggat gcagagcttg agcaagtcct 100
 <210> 424
 <211> 70
 <212> DNA

<213> Yaba-like disease virus
 <400> 424
 ggcatatatt cctgatccgc caatgattca atccttagga tgggatagag aaattgtacc 60
 tgtatatgtt 70
 <210> 425
 <211> 93
 <212> DNA
 <213> Yaba-like disease virus
 <400> 425
 tatatacgat aagatatgtt tattcataaa cgcgtcaaatt tttcatgaa tcgctaata 60
 gttaagaat ctcatgtcaa attgtcctat ata 93
 <210> 426
 <211> 101
 <212> DNA
 <213> Yaba-like disease virus
 <400> 426
 gctgtcatta aatatttatc atctaaactg ttctaattgt atacttacta actgtattag 60
 aggagtagcc aaaggagaac aagttatcat agtaaaacag c 101
 <210> 427
 <211> 64
 <212> DNA
 <213> Yaba-like disease virus
 <400> 427
 aatggtagcg catctttaac tcgtcagtta gctotttctt ttgatcgagt tcgtcgctac 60
 tatt 64
 <210> 428
 <211> 80
 <212> DNA
 <213> Yaba-like disease virus
 <400> 428
 taggggacct cggatatcgg gcctcggcca agaaagccca aatttgccag aaacagggtca 60
 agtatctggg gtatcttcta 80
 <210> 429
 <211> 87
 <212> DNA
 <213> Yaba-like disease virus
 <400> 429
 ctgaggaggg gctgcaacat gactgccttg acatcttggc tgaagcccac ggaactagac 60
 cagatcttac ggaccagcct ctcccag 87
 <210> 430
 <211> 61
 <212> DNA
 <213> Variola virus
 <400> 430
 gttactatta ttataactg atgtaaccca cgtaacatta gaattaatta tcgatagtaa 60
 t 61
 <210> 431
 <211> 74
 <212> DNA
 <213> Variola virus

<400> 431
 cgcgcacatc tgccgtctgc gcaacaccgc gtccgtcaag gtgctgttg ggcgcaagag 60
 cgacagcgag cgcg 74
 <210> 432
 <211> 126
 <212> DNA
 <213> Variola virus
 <400> 432
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 acggcaggct tctgtgcct ctggatccct gggttgcag aaatggcag cccctgtac 120
 cctctc 126
 <210> 433
 <211> 68
 <212> DNA
 <213> Variola virus
 <400> 433
 ggcgcgatc ttccacgcgc tctcaacgc cagcagctac cgggacctgg aggaggactg 60
 gcgcccgc 68
 <210> 434
 <211> 93
 <212> DNA
 <213> Variola virus
 <400> 434
 tatatacgat aagatatgtt tattcataaa cgcgctcaa tttcatgaa tcgctaagga 60
 gtttaagaat ctcatgtcaa attgtcctat ata 93
 <210> 435
 <211> 78
 <212> DNA
 <213> Variola virus
 <400> 435
 agcgggtgta gatttatcat atttctccac tacatatccg ttacaattg ttaagaattt 60
 agatacatct atattgct 78
 <210> 436
 <211> 61
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 436
 gtttaaaaaa tccaaaattc ttaatagaaa ttattgtga aatttaaaag attttgtaaa 60
 t 61
 <210> 437
 <211> 68
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 437
 ccgcagagtg ttccggattg caggttggg caacctgtat gaattggag tccacaacaa 60
 ctctgcgg 68
 <210> 438
 <211> 84
 <212> DNA
 <213> Human papillomavirus type 84

<400> 438
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 aggaactgta cagacattgg ttga 84
 <210> 439
 <211> 60
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 439
 gaaatattcc caagattcgg gatgccacag gtattgggtt ccgataatgg gcctgccttc 60
 <210> 440
 <211> 65
 <212> DNA
 <213> Human papillomavirus type 29
 <400> 440
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 tcagc 65
 <210> 441
 <211> 81
 <212> DNA
 <213> Variola virus
 <400> 441
 ctggggcctt ggcgtcggcc ggtggcctac ctgtccaaaa agctagaccc agtggccgct 60
 ggggtggcccc cttgcctacg g 81
 <210> 442
 <211> 87
 <212> DNA
 <213> Variola virus
 <400> 442
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 cagatcttac ggatcagcct ctcccag 87
 <210> 443
 <211> 64
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 443
 agagtggctt ggggtgcagt ctggcgcac acgtgcgcgg caccctaaac tccgtagcca 60
 cttt 64
 <210> 444
 <211> 60
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 444
 tagtgggtgt tgagcgtggt gatgtaggtc ttttactat tattttgctt ttaattgtta 60
 <210> 445
 <211> 73
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 445
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 aattccctct acg 73

<210> 446
 <211> 108
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 446
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 acttactgct ggccgctact tccgaactag actgccaaca aggtactc 108
 <210> 447
 <211> 105
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 447
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 cgatcgttca ccgatccagt ggccattgga tttgatgcaa gtcgg 105
 <210> 448
 <211> 131
 <212> DNA
 <213> Human papillomavirus type 29
 <400> 448
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 atatacaggg atagatcttg caagttaa atagaatgct taaataatgt catttttta 120
 tccgctaaaa a 131
 <210> 449
 <211> 65
 <212> DNA
 <213> Human papillomavirus type 29
 <400> 449
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 cttcg 65
 <210> 450
 <211> 63
 <212> DNA
 <213> Human papillomavirus type 29
 <400> 450
 tgttatttat agtttataga catttgggat tattataacc tgtatataac ctgtatttgt 60
 aca 63
 <210> 451
 <211> 93
 <212> DNA
 <213> Human papillomavirus type 29
 <400> 451
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 gtttaagaat ctcatgtcaa attgtcctat ata 93
 <210> 452
 <211> 64
 <212> DNA
 <213> Human papillomavirus type 29
 <400> 452
 aatggtaacg cgtcgttaac tcgtcgggta actctttctt ttgatcgagt tcgtcgctac 60
 tatt 64

<210> 453
 <211> 78
 <212> DNA
 <213> Human papillomavirus type 29
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 agatacatct atattgct 78
 <210> 454
 <211> 65
 <212> DNA
 <213> Human papillomavirus type 29
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 gtata 65
 <210> 455
 <211> 67
 <212> DNA
 <213> Human papillomavirus type 29
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 tatttgg 67
 <210> 456
 <211> 63
 <212> DNA
 <213> Human papillomavirus type 29
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 ccg 63
 <210> 457
 <211> 64
 <212> DNA
 <213> Human papillomavirus type 29
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 gatc 64
 <210> 458
 <211> 73
 <212> DNA
 <213> Human papillomavirus type 29
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 gaaagtgcac tgc 73
 <210> 459
 <211> 65
 <212> DNA
 <213> Human herpesvirus 5
 <400> 459
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 cgagt 65
 <210> 460

<211> 82
 <212> DNA
 <213> Human herpesvirus 1
 <400> 460
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 tagcgaactc acccgtcccgc 82
 <210> 461
 <211> 127
 <212> DNA
 <213> Human herpesvirus 1
 <400> 461
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 tatcatg 127
 <210> 462
 <211> 130
 <212> DNA
 <213> Human herpesvirus 1
 <400> 462
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 atatatatat tattaggaca aagtgcgaac gttcgcgtt ctcactttt ttataatagc 120
 ggccacgccc 130
 <210> 463
 <211> 83
 <212> DNA
 <213> Human herpesvirus 1
 <400> 463
 ccgccccgcc gacccccgaa taaaccacac aaggcggtag gtttcgtct gtctcgttct 60
 ttatttctca cacacgcgcg cgg 83
 <210> 464
 <211> 93
 <212> DNA
 <213> Human herpesvirus 1
 <400> 464
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 cggctctgtg aggtcagccg cttcttgggc agg 93
 <210> 465
 <211> 94
 <212> DNA
 <213> Marburg virus
 <400> 465
 ggcatactat ggtgatgca gggcattatt cagtgtaca aattctttt tcaattgcta 60
 taatgataca actacgaacc tccatacatt tgcc 94
 <210> 466
 <211> 131
 <212> DNA
 <213> Human herpesvirus 5
 <400> 466
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 atatccagtg atagatcgtg cagggttaa atagaatgtct taaataatgt catttttta 120

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 <211> 64
 <212> DNA
 <213> Human herpesvirus 5
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 ccac 64
 <210> 468
 <211> 60
 <212> DNA
 <213> Human herpesvirus 5
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 <211> 88
 <212> DNA
 <213> Human herpesvirus 5
 <400> 469
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 cttcctgcca cccgagagct tctgcctg 88
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 <211> 62
 <212> DNA
 <213> Human herpesvirus 5
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 ag 62
 <210> 471
 <211> 62
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 471
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 cc 62
 <210> 472
 <211> 65
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 472
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 ggagc 65
 <210> 473
 <211> 61
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 473
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 a 61
 <210> 474

<211> 61
<212> DNA
<213> Melanoplus sanguinipes entomopoxvirus
<400> 474
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<210> 475
<211> 72
<212> DNA
<213> Fowlpox virus
<400> 475
tatagatatt tacggagtat atgaactgta taccgattta cagaatttgt atttggtacg 60
taagtatgta ta 72
<210> 476
<211> 67
<212> DNA
<213> Fowlpox virus
<400> 476
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ttattat 67
<210> 477
<211> 68
<212> DNA
<213> Infectious hypodermal and hematopoietic necrosis virus
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 <212> DNA
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 <213> Lucerne transient streak virus
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<213> Drosophila C virus
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<213> Human herpesvirus 6
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atgatgac 68
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 <212> DNA
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 <212> DNA
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<211> 69

<212> DNA

<213> Variola virus

<400> 624

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<211> 113

<212> DNA

<213> Variola virus

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<211> 79

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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<211> 64

<212> DNA

<213> Paramecium bursaria Chlorella virus 1

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<211> 117

<212> DNA

<213> Melanoplus sanguinipes entomopoxvirus

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<212> DNA

<213> Melanoplus sanguinipes entomopoxvirus

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<210> 630

<211> 112

<212> DNA

<213> Melanoplus sanguinipes entomopoxvirus

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 <213> Chimpanzee cytomegalovirus
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 <213> Variola virus
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 <211> 63
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 <211> 82
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<212> DNA
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 <213> Fowlpox virus
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 <211> 67
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 <213> Rice tungro bacilliform virus
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 <213> Rat cytomegalovirus
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 <212> DNA
 <213> Vaccinia virus
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 <213> African swine fever virus
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 <213> Vaccinia virus
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 <213> Rat cytomegalovirus
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 <213> Rat cytomegalovirus
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 <212> DNA
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 <212> DNA
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 <213> Amsacta moorei entomopoxvirus
 <400> 762
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 <212> DNA
 <213> Fowlpox virus
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 <213> Fowlpox virus
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 <213> Amsacta moorei entomopoxvirus
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 <213> Amsacta moorei entomopoxvirus
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 tttaaaat 68
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 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 tctgcttt 68
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 <211> 62
 <212> DNA
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 cc 62
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 <211> 62
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 <213> Amsacta moorei entomopoxvirus
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 agaacaaaaa ct 72
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 <211> 70
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 cggtttctat 70
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 <213> Fowlpox virus
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 <212> DNA
 <213> Fowlpox virus
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 ttggttttaa 70
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 tgtaatatat tcaga 75
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 <213> Amsacta moorei entomopoxvirus
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 gggcaatcgt 130
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 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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<212> DNA
 <213> Amsacta moorei entomopoxvirus
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 aggtatcagt ctcc 75
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 <211> 86
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 aggtgacagt tgaataatct ctggt 86
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 <211> 130
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 agatccatt 130
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 <211> 61
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 t 61
 <210> 791
 <211> 102
 <212> DNA
 <213> Ateline herpesvirus 3
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 agggtagta catcgtggat gacgagtacc agaagaggat cg 102
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 <212> DNA
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 <211> 64
 <212> DNA
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<212> DNA
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 <212> DNA
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 <211> 69
 <212> DNA
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 <212> DNA
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 ctgccacgta aacccgcct 79
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 <212> DNA
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 agtg 64
 <210> 800
 <211> 66
 <212> DNA
 <213> Ateline herpesvirus 3
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 <210> 801
 <211> 113
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<213> Ateline herpesvirus 3
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 cctgacgaat cctaagtgg taaagaatgg gttgagaatt gctggcaggg cgt 113
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 <211> 98
 <212> DNA
 <213> Encephalomyocarditis virus
 <400> 802
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 ttacgactcc atcagaaaga ggttaatat tttgtga 98
 <210> 803
 <211> 126
 <212> DNA
 <213> Equine herpesvirus 1
 <400> 803
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 aaaaatatta aaccttttc tgatggagtc gtaaaaaaag ttatctctt tctctcttc 120
 gatggt 126
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 <212> DNA
 <213> Equine herpesvirus 1
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 aaaatattaa accttttct gatggagtcg taaaaaaagt ttatctctt tctctctcg 120
 atggt 125
 <210> 805
 <211> 66
 <212> DNA
 <213> Equine herpesvirus 1
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 ttgtga 66
 <210> 806
 <211> 109
 <212> DNA
 <213> Human herpesvirus 5
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 <211> 64
 <212> DNA
 <213> Human herpesvirus 5
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<212> DNA
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 <212> DNA
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 <212> DNA
 <213> Human herpesvirus 5
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 <212> DNA
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 aacata 66
 <210> 812
 <211> 65
 <212> DNA
 <213> Human papillomavirus type 89
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 tgtcc 65
 <210> 813
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 <212> DNA
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 tctccaact 69
 <210> 814
 <211> 62
 <212> DNA
 <213> Human papillomavirus type 89
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<212> DNA
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 <211> 66
 <212> DNA
 <213> Human papillomavirus type 89
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 <210> 817
 <211> 91
 <212> DNA
 <213> Southern cowpea mosaic virus
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 <211> 103
 <212> DNA
 <213> Southern cowpea mosaic virus
 <400> 818
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 <211> 97
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 <213> Human herpesvirus 5
 <400> 819
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 <213> Human herpesvirus 5
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 gcatgctgac cgaac 75
 <210> 821
 <211> 60
 <212> DNA
 <213> Southern cowpea mosaic virus
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 <210> 822
 <211> 90
 <212> DNA
 <213> Tupaia herpesvirus

<400> 822
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 cctaaacttg taaataaagc tatagatgtg 90
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 <212> DNA
 <213> Tupaia herpesvirus
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 tgtgg 65
 <210> 824
 <211> 68
 <212> DNA
 <213> Tupaia herpesvirus
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 <210> 825
 <211> 71
 <212> DNA
 <213> Tupaia herpesvirus
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 ttccccgcaa c 71
 <210> 826
 <211> 81
 <212> DNA
 <213> Southern cowpea mosaic virus
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 agttttgtat catatatgat t 81
 <210> 827
 <211> 124
 <212> DNA
 <213> Tupaia herpesvirus
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 ccct 124
 <210> 828
 <211> 101
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 828
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 cctcttttta tcaaaagatg gagaggcctg taaagtcctt c 101
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 <211> 64
 <212> DNA
 <213> Equine herpesvirus 2

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 <210> 830
 <211> 77
 <212> DNA
 <213> Cowpox virus
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 <210> 831
 <211> 78
 <212> DNA
 <213> Cowpox virus
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 <213> Cowpox virus
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 <211> 62
 <212> DNA
 <213> Satellite tobacco mosaic virus
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 <210> 834
 <211> 62
 <212> DNA
 <213> Southern cowpea mosaic virus
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 <213> Southern cowpea mosaic virus
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 <212> DNA
 <213> Tupaia herpesvirus
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 <212> DNA
 <213> Tupaia herpesvirus
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 tctcgagtcg cacgcacacc 80
 <210> 838
 <211> 131
 <212> DNA
 <213> Tupaia herpesvirus
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 aggacggggag aacga 75
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 <211> 65
 <212> DNA
 <213> Cowpox virus
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 <212> DNA
 <213> Satellite tobacco mosaic virus
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 aagtgtcagt tc 72
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 <211> 87
 <212> DNA
 <213> Equine herpesvirus 2
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 <212> DNA
 <213> Cowpox virus
 <400> 843

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 tatttagcaa taacatcttt tt 82
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 <211> 97
 <212> DNA
 <213> Satellite tobacco mosaic virus
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 <210> 845
 <211> 70
 <212> DNA
 <213> Satellite tobacco mosaic virus
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 <210> 846
 <211> 66
 <212> DNA
 <213> Satellite tobacco mosaic virus
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 gacgtc 66
 <210> 847
 <211> 78
 <212> DNA
 <213> Satellite tobacco mosaic virus
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 ctggccctcc tgcgggcc 78
 <210> 848
 <211> 64
 <212> DNA
 <213> Satellite tobacco mosaic virus
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 ggcc 64
 <210> 849
 <211> 82
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 849
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 atttaagaga tccgataaac at 82
 <210> 850
 <211> 88
 <212> DNA
 <213> Camelpox virus
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agcagctaga gaccgccaat tcgagaaa 88
 <210> 851
 <211> 61
 <212> DNA
 <213> Junonia coenia densovirus
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 <210> 852
 <211> 84
 <212> DNA
 <213> Feline leukemia virus
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 acttttcctt ttccacatca tcta 84
 <210> 853
 <211> 66
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 <213> Fowlpox virus
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 <210> 854
 <211> 66
 <212> DNA
 <213> Fowlpox virus
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 <210> 855
 <211> 63
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 855
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 gag 63
 <210> 856
 <211> 67
 <212> DNA
 <213> Vaccinia virus
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 tagtttt 67
 <210> 857
 <211> 69
 <212> DNA
 <213> Rous sarcoma virus
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 <213> Myxoma virus
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 <212> DNA
 <213> Rous sarcoma virus
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 <213> Rous sarcoma virus
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 <213> Hendra virus
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<212> DNA
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 <212> DNA
 <213> Vaccinia virus
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 <210> 867
 <211> 66
 <212> DNA
 <213> African swine fever virus
 <400> 867
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 aagata 66
 <210> 868
 <211> 130
 <212> DNA
 <213> Hendra virus
 <400> 868
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 ctgttttgtg 130
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 <211> 86
 <212> DNA
 <213> Human papillomavirus type 54
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 tggcaatgta ttacaacagc atttac 86
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 <212> DNA
 <213> Human herpesvirus 3
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 agggtcacag cgacc 75
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 <211> 89
 <212> DNA
 <213> Foot-and-mouth disease virus SAT 2
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 tgttacgatt tgctatgtgt attttcatg 89
 <210> 872
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<212> DNA
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 <212> DNA
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 gcaccattta aactattgg g 81
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 <212> DNA
 <213> African swine fever virus
 <400> 874
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 <211> 66
 <212> DNA
 <213> Human herpesvirus 3
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 tctgtg 66
 <210> 876
 <211> 100
 <212> DNA
 <213> Foot-and-mouth disease virus SAT 2
 <400> 876
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 <213> B19 virus
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 acattgaaca attgatataa gtgttgttt gtgctttca tattc 105
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 <212> DNA
 <213> Rat cytomegalovirus
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<213> Rat cytomegalovirus
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 <212> DNA
 <213> Human papillomavirus type 54
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 <212> DNA
 <213> Fowlpox virus
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 tgtataagct attactatt attcca 86
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 <211> 87
 <212> DNA
 <213> Rat cytomegalovirus
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 aggtgcagat catgcgcacg cagctct 87
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 <211> 76
 <212> DNA
 <213> Hendra virus
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 <211> 81
 <212> DNA
 <213> Tupaia paramyxovirus

<400> 886
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 <211> 109
 <212> DNA
 <213> Fowlpox virus
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 <210> 888
 <211> 86
 <212> DNA
 <213> Simian T-lymphotropic virus 1
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 ttagagccta cctagactca gccggc 86
 <210> 889
 <211> 68
 <212> DNA
 <213> Fowl adenovirus A
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 <211> 77
 <212> DNA
 <213> Beet yellows virus
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 <211> 68
 <212> DNA
 <213> Meleagrid herpesvirus 1
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 <213> Melanoplus sanguinipes entomopoxvirus
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 <213> Simian T-lymphotropic virus 1
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 <211> 78
 <212> DNA
 <213> Beet yellows virus
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 <211> 67
 <212> DNA
 <213> Simian type D virus 1
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 <211> 75
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <213> Paramecium bursaria Chlorella virus 1
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 <212> DNA
 <213> Human papillomavirus type 66
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 <212> DNA
 <213> Cercopithecine herpesvirus 7
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 <212> DNA
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 <211> 92
 <212> DNA
 <213> Human herpesvirus 6
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 <210> 907
 <211> 71
 <212> DNA
 <213> Gallid herpesvirus 3
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 <213> Nipah virus
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 <213> Human herpesvirus 5
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 ttactgctat ttgc 75
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 <211> 88
 <212> DNA
 <213> Lumpy skin disease virus
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 agatatttct ttagtctata actgtttg 88
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 <212> DNA
 <213> Lumpy skin disease virus
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 <212> DNA
 <213> Zaire Ebola virus
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 aggacaaaga cgatacgc 78

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 <212> DNA
 <213> Zaire Ebola virus
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 <212> DNA
 <213> Zaire Ebola virus
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 gaaat 65
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 <211> 66
 <212> DNA
 <213> Fowlpox virus
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 <211> 125
 <212> DNA
 <213> Peanut chlorotic streak virus
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 <212> DNA
 <213> Human herpesvirus 5
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 <211> 130
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 <213> Human herpesvirus 5
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 <212> DNA
 <213> Human herpesvirus 5
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ctac 64

<210> 972

<211> 129

<212> DNA

<213> Peanut chlorotic streak virus

<400> 972

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aaagttttt 129

<210> 973

<211> 126

<212> DNA

<213> Peanut chlorotic streak virus

<400> 973

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gagctc 126

<210> 974

<211> 63

<212> DNA

<213> Human herpesvirus 5

<400> 974

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<210> 975

<211> 80

<212> DNA

<213> Human herpesvirus 5

<400> 975

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<211> 68

<212> DNA

<213> Human herpesvirus 8

<400> 976

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caagcagc 68

<210> 977

<211> 63

<212> DNA

<213> Human herpesvirus 8

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cag 63

<210> 978

<211> 131

<212> DNA

<213> Peanut chlorotic streak virus

<400> 978

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 ataaaaaagc t 131
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 <211> 76
 <212> DNA
 <213> Human herpesvirus 5
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 aataatttta atgttt 76
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 <211> 71
 <212> DNA
 <213> Himetobi P virus
 <400> 980
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 <212> DNA
 <213> Himetobi P virus
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 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 <211> 104
 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 ccagagtgcc tatatgaacg caatttggt atgaagggac ccat 104
 <210> 984
 <211> 129
 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 <211> 77
 <212> DNA
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<400> 985
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 ggatgtgctt gccgcgc 77
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 <213> Human herpesvirus 5
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 ttccggcgaa aaaataatta ttccgcc 87
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 <212> DNA
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 <211> 103
 <212> DNA
 <213> Himetobi P virus
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 <211> 78
 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 ggcgctcacg ttaaggaa 78
 <210> 990
 <211> 79
 <212> DNA
 <213> Cocksfoot mottle virus
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 caatcccaga ggaggagga 79
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 <211> 70
 <212> DNA
 <213> Bovine herpesvirus 4
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 <210> 992
 <211> 97
 <212> DNA
 <213> Bovine herpesvirus 4
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 <212> DNA
 <213> Murid herpesvirus 4
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 aatgtttatt ataggctgtg ctccctgtat 90
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 <211> 67
 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 acgcgca 67
 <210> 995
 <211> 88
 <212> DNA
 <213> Cocksfoot mottle virus
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 tctaagggtc gagcagagct ggagacgt 88
 <210> 996
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 <212> DNA
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 <210> 997
 <211> 73
 <212> DNA
 <213> Murid herpesvirus 4
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 agacaacacg cgt 73
 <210> 998
 <211> 65
 <212> DNA
 <213> Avian infectious bronchitis virus
 <400> 998
 ggaagaacaa ggattatatg gaacacgatt attataaaat aacaatagtt cctggttcct 60
 ctcc 65
 <210> 999
 <211> 91
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 999
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ggtctttcaa caattatgtc ggcgagattg a 91
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 <211> 60
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <211> 73
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 caaagagggt ggt 73
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 <211> 66
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 ttgacc 66
 <210> 1003
 <211> 80
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1003
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 cgtagagacc atagtcgtcg 80
 <210> 1004
 <211> 82
 <212> DNA
 <213> Cocksfoot mottle virus
 <400> 1004
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 tacgaaccag acccaccggt gt 82
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 <211> 65
 <212> DNA
 <213> Cocksfoot mottle virus
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 taacg 65
 <210> 1006
 <211> 90
 <212> DNA
 <213> Cocksfoot mottle virus
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 <210> 1007

<211> 121
 <212> DNA
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 <211> 116
 <212> DNA
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 <212> DNA
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 ggt 123
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 <212> DNA
 <213> Avian infectious bronchitis virus
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 cgctggcgcc gc 72
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 <211> 74
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <210> 1014

<211> 109
 <212> DNA
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 <211> 66
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <210> 1016
 <211> 73
 <212> DNA
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 <211> 106
 <212> DNA
 <213> Human herpesvirus 5
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 <211> 87
 <212> DNA
 <213> Human herpesvirus 5
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 <211> 104
 <212> DNA
 <213> Yaba-like disease virus
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 <212> DNA
 <213> Monkeypox virus
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<212> DNA
 <213> Monkeypox virus
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 <211> 71
 <212> DNA
 <213> Human foamy virus
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 cggagaggga g 71
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 <211> 62
 <212> DNA
 <213> Human foamy virus
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 <211> 76
 <212> DNA
 <213> Human foamy virus
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 <212> DNA
 <213> Human foamy virus
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 <212> DNA
 <213> Reston Ebola virus
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 aatcttcac 70
 <210> 1027
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 <213> Reston Ebola virus
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<213> Human foamy virus
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 <211> 64
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 <213> Human foamy virus
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 <211> 130
 <212> DNA
 <213> Equine herpesvirus 4
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 <212> DNA
 <213> Swinepox virus
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 <213> Human herpesvirus 1
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 <212> DNA
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 <213> Equine herpesvirus 4
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 <212> DNA
 <213> Equine herpesvirus 4
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 <211> 61
 <212> DNA
 <213> Sesbania mosaic virus
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 <210> 1040
 <211> 64
 <212> DNA
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 <211> 87
 <212> DNA
 <213> Fowlpox virus
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 <212> DNA
 <213> Fowlpox virus
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 aatttcttgc gta 73
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 <212> DNA
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 <213> Fowlpox virus
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 <211> 108
 <212> DNA
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 <212> DNA
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<211> 107
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 <212> DNA
 <213> Human herpesvirus 5
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 aagt 124
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 <212> DNA
 <213> Myxoma virus
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 <212> DNA
 <213> Myxoma virus
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 <212> DNA
 <213> Myxoma virus
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 aagaaaattg ttatatcct c 81
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 <211> 90
 <212> DNA
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 <212> DNA
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 <211> 68
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <211> 79
 <212> DNA
 <213> Rat cytomegalovirus
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 <210> 1085
 <211> 81
 <212> DNA
 <213> Rat cytomegalovirus

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 <212> DNA
 <213> Monkeypox virus
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 <210> 1087
 <211> 79
 <212> DNA
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 <212> DNA
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 cccttctca ggcggcccgg gcgccg 86
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 <211> 104
 <212> DNA
 <213> Ectromelia virus
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 ctttacttc gaaccagttt atgcacttta ttccatttt ttaa 104
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 <212> DNA
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 <211> 127
 <212> DNA
 <213> Cowpox virus
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 <212> DNA
 <213> Monkeypox virus

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 <212> DNA
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 <211> 67
 <212> DNA
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 <210> 1096
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 <213> Camelpox virus
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 <212> DNA
 <213> Variola virus
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 <212> DNA
 <213> Ectromelia virus

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<212> DNA

<213> Ectromelia virus

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<210> 1108

<211> 61

<212> DNA

<213> Ectromelia virus

<400> 1108

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<210> 1109

<211> 130

<212> DNA

<213> Ectromelia virus

<400> 1109

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<211> 97

<212> DNA

<213> Cowpox virus

<400> 1110

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<211> 72

<212> DNA

<213> Camelpox virus

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<210> 1112

<211> 129

<212> DNA

<213> Variola virus

<400> 1112

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<211> 97

<212> DNA

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<213> Sulfolobus virus SIRV-1
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 <212> DNA
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 <212> DNA
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 <210> 1144
 <211> 67
 <212> DNA
 <213> African swine fever virus
 <400> 1144
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 aataata 67
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 <212> DNA
 <213> Rice yellow stunt virus
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 gtgaag 66
 <210> 1147
 <211> 67
 <212> DNA
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 <212> DNA

<213> Human herpesvirus 5
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 <212> DNA
 <213> Cactus virus X
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 <210> 1151
 <211> 106
 <212> DNA
 <213> Swinepox virus
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 <212> DNA
 <213> Equine herpesvirus 1
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 ggcatgccgc cgctcaaact taaacc 86
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 <212> DNA
 <213> Lymphocystis disease virus 1
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 <212> DNA
 <213> Human herpesvirus 1
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 <212> DNA
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 ggtaatatata atttaagggtc aatctaaaaa 90
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 <212> DNA
 <213> Rat cytomegalovirus
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 ga 62
 <210> 1159
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 <212> DNA
 <213> African swine fever virus
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 <212> DNA
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 <212> DNA
 <213> Respiratory syncytial virus
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 atgaaagatg ggg 73
 <210> 1162
 <211> 87
 <212> DNA
 <213> Vaccinia virus
 <400> 1162
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 ataaaatact actgttgagt aatcag 87

<210> 1163
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 <212> DNA
 <213> Rat cytomegalovirus
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 <212> DNA
 <213> Tupaia herpesvirus
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 ggccccccgc c 71
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 <211> 90
 <212> DNA
 <213> Equine herpesvirus 4
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 tgtcaggatt ttatagaga cttacaagcc 90
 <210> 1166
 <211> 66
 <212> DNA
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 cgacgg 66
 <210> 1167
 <211> 74
 <212> DNA
 <213> Zucchini yellow mosaic virus
 <400> 1167
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 ttatttttag acac 74
 <210> 1168
 <211> 96
 <212> DNA
 <213> Gallid herpesvirus 3
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 aatgacattc ttatacggga acagtagcgc ccacgc 96
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 <213> African swine fever virus
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 tttaaacacg tttaaattg tatgtta 87
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<211> 76
 <212> DNA
 <213> Cowpox virus
 <400> 1170
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 aaaaaataat ttagtg 76
 <210> 1171
 <211> 110
 <212> DNA
 <213> Bovine herpesvirus 1
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 <212> DNA
 <213> Bovine herpesvirus 1
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 <212> DNA
 <213> Okra enation virus
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 accaaatggc attttggtaa aaatcccaa 89
 <210> 1174
 <211> 85
 <212> DNA
 <213> Myxoma virus
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 cgaaggataa tcacgacgta actcc 85
 <210> 1175
 <211> 116
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <210> 1176
 <211> 67
 <212> DNA
 <213> Wheat streak mosaic virus
 <400> 1176
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 acgcaga 67
 <210> 1177
 <211> 81

<212> DNA
 <213> Sendai virus
 <400> 1177
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 cacctcaagt aagtacagat c 81
 <210> 1178
 <211> 114
 <212> DNA
 <213> Fowl adenovirus D
 <400> 1178
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 <211> 104
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1179
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 tgtaattata aattctcatt gacatcatat ttcttatta caaa 104
 <210> 1180
 <211> 103
 <212> DNA
 <213> Infectious spleen and kidney necrosis virus
 <400> 1180
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 ccacagagac caacaaataa atgaatcgcc ggcactttaa aga 103
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 <211> 86
 <212> DNA
 <213> Rat cytomegalovirus
 <400> 1181
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 gggatttccg cgctcgcgac gtgacg 86
 <210> 1182
 <211> 66
 <212> DNA
 <213> Human herpesvirus 4
 <400> 1182
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 cccacc 66
 <210> 1183
 <211> 92
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1183
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 acaattgtc atgtgtttc ttggtaaatt tg 92
 <210> 1184
 <211> 95
 <212> DNA

<213> Molluscum contagiosum virus
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 ttcagttttt gttctttctc tcgtggatcg ctctt 95
 <210> 1185
 <211> 98
 <212> DNA
 <213> Equine herpesvirus 4
 <400> 1185
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 cagtcagtgt gctgtagtgc caccacctgt aaagctgt 98
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 <211> 62
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 aa 62
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 <211> 64
 <212> DNA
 <213> Rat cytomegalovirus
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 ccgg 64
 <210> 1188
 <211> 76
 <212> DNA
 <213> African swine fever virus
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 tatagaatgt aggaat 76
 <210> 1189
 <211> 70
 <212> DNA
 <213> Theilovirus
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 tgacgttgga 70
 <210> 1190
 <211> 76
 <212> DNA
 <213> Sulfolobus virus SIRV-2
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 acattatata atgtat 76
 <210> 1191
 <211> 71
 <212> DNA
 <213> Meleagrid herpesvirus 1

<400> 1191
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 ttggactact t 71
 <210> 1192
 <211> 75
 <212> DNA
 <213> Human parainfluenza virus 1 strain Washington/1964
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 tagtataaat ttta 75
 <210> 1193
 <211> 108
 <212> DNA
 <213> Cucumber mosaic virus
 <400> 1193
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 tcgtgctgtc cgcacatatt ttatctttg ggtacagtgt gtagatt 108
 <210> 1194
 <211> 109
 <212> DNA
 <213> Pepper ringspot virus
 <400> 1194
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 gctatttgat gcatattgaa tatcacatat ttgcacagca ttcaaactg 109
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <210> 1196
 <211> 73
 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 gacgggggtgg ggg 73
 <210> 1197
 <211> 89
 <212> DNA
 <213> Rice black streaked dwarf virus
 <400> 1197
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 ccttttgaca taccgtgttg tggcggctc 89
 <210> 1198
 <211> 114
 <212> DNA
 <213> Human herpesvirus 5
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 <210> 1199
 <211> 92
 <212> DNA
 <213> Cercopithecine herpesvirus 7
 <400> 1199
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 acttcattaa aatatttgg gcgttcatg ta 92
 <210> 1200
 <211> 72
 <212> DNA
 <213> Meleagrid herpesvirus 1
 <400> 1200
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 gagagaaagg gg 72
 <210> 1201
 <211> 88
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 tcatttgtca ttttgtga tatcaact 88
 <210> 1202
 <211> 69
 <212> DNA
 <213> Human parainfluenza virus 3
 <400> 1202
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 aaacatgta 69
 <210> 1203
 <211> 119
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 1203
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 gatccttttg tgtgtgggcc gagagaagg gaaagtgtgt ggtgggggg tgacagaga 119
 <210> 1204
 <211> 83
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <210> 1205
 <211> 116
 <212> DNA
 <213> Rat cytomegalovirus
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 <211> 91
 <212> DNA
 <213> Molluscum contagiosum virus
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 <210> 1207
 <211> 71
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 <213> Caprine arthritis-encephalitis virus
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 atgcttaggt c 71
 <210> 1208
 <211> 67
 <212> DNA
 <213> Equine arteritis virus
 <400> 1208
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 ctcaactg 67
 <210> 1209
 <211> 74
 <212> DNA
 <213> Human herpesvirus 6
 <400> 1209
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 atattaagat gcaa 74
 <210> 1210
 <211> 73
 <212> DNA
 <213> Transmissible gastroenteritis virus
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 ccattcagtt tgg 73
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 ccgttcgtcg gc 72
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<210> 1213
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 tgtccccga 69
 <210> 1214
 <211> 64
 <212> DNA
 <213> Human papillomavirus type 22
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 acta 64
 <210> 1215
 <211> 64
 <212> DNA
 <213> Rat cytomegalovirus
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 aacg 64
 <210> 1216
 <211> 76
 <212> DNA
 <213> Bovine immunodeficiency virus
 <400> 1216
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 catctacccg tgcctc 76
 <210> 1217
 <211> 122
 <212> DNA
 <213> Human herpesvirus 5
 <400> 1217
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 ca 122
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 <211> 82
 <212> DNA
 <213> Camelpox virus
 <400> 1218
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 acctgttgg tagcattcaa ga 82
 <210> 1219
 <211> 89
 <212> DNA
 <213> Human papillomavirus type 37
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 tttagatgaa ttgtgaaaac agcttttt 89

<210> 1220
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 <212> DNA
 <213> Gallid herpesvirus 2
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 <211> 130
 <212> DNA
 <213> African swine fever virus
 <400> 1221
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 accatttag 130
 <210> 1222
 <211> 130
 <212> DNA
 <213> Tupaia paramyxovirus
 <400> 1222
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 ctattatatt 130
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 <211> 69
 <212> DNA
 <213> Vaccinia virus
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 ttatttcat 69
 <210> 1224
 <211> 68
 <212> DNA
 <213> Hepatitis GB virus C
 <400> 1224
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 cgtaatcc 68
 <210> 1225
 <211> 81
 <212> DNA
 <213> Human papillomavirus type 24
 <400> 1225
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 tataaagcat ttagcacatc t 81
 <210> 1226
 <211> 100
 <212> DNA
 <213> Ictalurid herpesvirus 1
 <400> 1226
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<212> DNA
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<211> 64
<212> DNA
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tact 64
<210> 1229
<211> 79
<212> DNA
<213> Cycas necrotic stunt virus
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cattttcttt tgggttgtt 79
<210> 1230
<211> 75
<212> DNA
<213> Hop latent virus
<400> 1230
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<210> 1231
<211> 67
<212> DNA
<213> Human papillomavirus type 6
<400> 1231
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tgattta 67
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<211> 71
<212> DNA
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gtttacagag g 71
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<212> DNA
<213> Paramecium bursaria Chlorella virus 1
<400> 1233
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<212> DNA
<213> Giardia lamblia virus
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ctggt 65

<210> 1235
<211> 62
<212> DNA
<213> Equine herpesvirus 1
<400> 1235
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gt 62

<210> 1236
<211> 65
<212> DNA
<213> Equine herpesvirus 2
<400> 1236
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gccac 65

<210> 1237
<211> 98
<212> DNA
<213> Foxtail mosaic virus
<400> 1237
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cgatccaggt gcgttcggtg cttcgttgc cacggggc 98

<210> 1238
<211> 65
<212> DNA
<213> Macaca mulatta rhadinovirus
<400> 1238
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ttgag 65

<210> 1239
<211> 78
<212> DNA
<213> Cherry virus A
<400> 1239
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cttcctggt ttaagtac 78

<210> 1240
<211> 79
<212> DNA
<213> Human herpesvirus 7
<400> 1240
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cataatttt tctcttaat 79

<210> 1241

<211> 79
 <212> DNA
 <213> Variola virus
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 agatctagta actagagta 79
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 <211> 78
 <212> DNA
 <213> Triatoma virus
 <400> 1242
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 aataatgtgc tttatat 78
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 <211> 73
 <212> DNA
 <213> Tupaia herpesvirus
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 atgacgcgcg ctt 73
 <210> 1244
 <211> 66
 <212> DNA
 <213> Newcastle disease virus
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 <211> 89
 <212> DNA
 <213> Human papillomavirus type 21
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 taagtctgcc aatcgattt ggctcgtgt 89
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 <211> 77
 <212> DNA
 <213> Human papillomavirus type 20
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 gagaggagga gcctcag 77
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 <211> 90
 <212> DNA
 <213> Human herpesvirus 7
 <400> 1247
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 agctcttcaa agtcgtcata ttgtagaaat 90
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 <211> 63

<212> DNA
 <213> Foxtail mosaic virus
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 cca 63
 <210> 1249
 <211> 91
 <212> DNA
 <213> Variola virus
 <400> 1249
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 ggagtaaagc atataacgta accagaattg t 91
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 <211> 61
 <212> DNA
 <213> Human papillomavirus type 21
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 <211> 75
 <212> DNA
 <213> Tupaia herpesvirus
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 ccgtccccac cgtcc 75
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 <211> 82
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 1252
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 cctccgtcgc gccgcaccgg cg 82
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 <212> DNA
 <213> Human herpesvirus 1
 <400> 1253
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 gctctaaaaa ttaagggcc cta 83
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 <212> DNA
 <213> Human herpesvirus 1
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 ggagcgaccg gcagc 75
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 <211> 90
 <212> DNA

<213> Human herpesvirus 2
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 aaccccccg cccatcaacc gcctgtcgt 90
 <210> 1256
 <211> 93
 <212> DNA
 <213> African swine fever virus
 <400> 1256
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 ggtatttac gttgttatgg aacgcgaagg tcc 93
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 <211> 62
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1257
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 <211> 67
 <212> DNA
 <213> Human adenovirus A
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 tctggac 67
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 <212> DNA
 <213> Tupaia herpesvirus
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 cgtcgaggcg 70
 <210> 1260
 <211> 65
 <212> DNA
 <213> African swine fever virus
 <400> 1260
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 ctcc 65
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 <211> 72
 <212> DNA
 <213> Northern cereal mosaic virus
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 ctcttcatta ct 72
 <210> 1262
 <211> 72
 <212> DNA
 <213> Vaccinia virus

<400> 1262
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 gacgcgtacg at 72
 <210> 1263
 <211> 69
 <212> DNA
 <213> Bovine papillomavirus type 2
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 ccaccacct 69
 <210> 1264
 <211> 69
 <212> DNA
 <213> Human herpesvirus 3
 <400> 1264
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 ggactgtgc 69
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 <211> 131
 <212> DNA
 <213> Casphalia extranea densovirus
 <400> 1265
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 gttgtggtgg t 131
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 <211> 79
 <212> DNA
 <213> Human adenovirus C
 <400> 1266
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 ggagggggcat ggccggcca 79
 <210> 1267
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 <212> DNA
 <213> Human adenovirus C
 <400> 1267
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 <210> 1268
 <211> 61
 <212> DNA
 <213> Cymbidium ringspot virus
 <400> 1268
 ggaaaggatc tcgtgcgcta taagtctaac gaaagttgag cttgcaacat gggctctatgc 60
 c 61
 <210> 1269
 <211> 62
 <212> DNA
 <213> Human herpesvirus 7

<400> 1269
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 gc 62
 <210> 1270
 <211> 104
 <212> DNA
 <213> Variola virus
 <400> 1270
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 tagtgcactc tataaaaacg agaatgacat aactaatcat aact 104
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 <211> 67
 <212> DNA
 <213> Bovine adenovirus D
 <400> 1271
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 ccttatt 67
 <210> 1272
 <211> 85
 <212> DNA
 <213> Casphalia extranea densovirus
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 gataatgtaa tgaggtggtg gtgat 85
 <210> 1273
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 <212> DNA
 <213> Human adenovirus D
 <400> 1273
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 cttgttacat gacatgggtg gggatg 86
 <210> 1274
 <211> 61
 <212> DNA
 <213> Oat mosaic virus
 <400> 1274
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 t 61
 <210> 1275
 <211> 62
 <212> DNA
 <213> Satellite virus of maize white line mosaic virus
 <400> 1275
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 gg 62
 <210> 1276
 <211> 61
 <212> DNA
 <213> Satellite virus of maize white line mosaic virus
 <400> 1276

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 <212> DNA
 <213> Saimiriine herpesvirus 2
 <400> 1277
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 <211> 89
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 1278
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 gcacgacct cttcgactta cggacgccc 89
 <210> 1279
 <211> 60
 <212> DNA
 <213> Human erythrovirus V9
 <400> 1279
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 <210> 1280
 <211> 70
 <212> DNA
 <213> Monkeypox virus
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 attaattgcc 70
 <210> 1281
 <211> 70
 <212> DNA
 <213> Camelpox virus
 <400> 1281
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 attaattgcc 70
 <210> 1282
 <211> 63
 <212> DNA
 <213> Saimiriine herpesvirus 2
 <400> 1282
 aacaaataaa cttataaaca tattttaagc ttactggta ttgtgttta taacctttt 60
 gtt 63
 <210> 1283
 <211> 75
 <212> DNA
 <213> Saimiriine herpesvirus 2
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 gcattttata ttgt 75

<210> 1284
 <211> 94
 <212> DNA
 <213> Molluscum contagiosum virus
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 cacgtaaaga cggcgattcg tgctcgtgtt gtgc 94
 <210> 1285
 <211> 82
 <212> DNA
 <213> Camelpox virus
 <400> 1285
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 agtaatagtg attccattga ta 82
 <210> 1286
 <211> 131
 <212> DNA
 <213> Bombyx mori densovirus 1
 <400> 1286
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 aagtgacgcg cttcgcgcggt cgtggtcagc gaaaattttg ggctgtgtt ccgggggggtt 120
 gtgggtgggtg t 131
 <210> 1287
 <211> 67
 <212> DNA
 <213> Cowpox virus
 <400> 1287
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 caccatc 67
 <210> 1288
 <211> 62
 <212> DNA
 <213> Human herpesvirus 7
 <400> 1288
 acaggaaaca ttagagtgat taaaaccata agcctgggtg tatcggatta aaaacctctt 60
 gt 62
 <210> 1289
 <211> 82
 <212> DNA
 <213> Bovine papillomavirus type 2
 <400> 1289
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 atttgctgtc aagactggct ct 82
 <210> 1290
 <211> 73
 <212> DNA
 <213> Horseradish curly top virus
 <400> 1290
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 taaacggact agg 73

<210> 1291
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 <212> DNA
 <213> Human herpesvirus 2
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 <211> 75
 <212> DNA
 <213> Bovine herpesvirus 1
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 taaaacgaca gcgcc 75
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 <211> 63
 <212> DNA
 <213> Equine herpesvirus 1
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 <210> 1294
 <211> 74
 <212> DNA
 <213> Hepatitis C virus
 <400> 1294
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 <210> 1295
 <211> 71
 <212> DNA
 <213> Fowlpox virus
 <400> 1295
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 gagggcgtcc t 71
 <210> 1296
 <211> 131
 <212> DNA
 <213> Bombyx mori densovirus 5
 <400> 1296
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 gtggtggtgg t 131
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 <211> 92
 <212> DNA
 <213> Rhesus monkey papillomavirus
 <400> 1297
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gtgttatgag caattatctg acagctcaga gg 92

<210> 1298

<211> 131

<212> DNA

<213> Bombyx mori densovirus 1

<400> 1298

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gtggtggtgg t 131

<210> 1299

<211> 115

<212> DNA

<213> Equine herpesvirus 4

<400> 1299

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<210> 1300

<211> 112

<212> DNA

<213> Equine herpesvirus 2

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<211> 89

<212> DNA

<213> Amsacta moorei entomopoxvirus

<400> 1301

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attagtaatt aagtttttaa agttgaatc 89

<210> 1302

<211> 65

<212> DNA

<213> Amsacta moorei entomopoxvirus

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tagta 65

<210> 1303

<211> 66

<212> DNA

<213> Simian-Human immunodeficiency virus

<400> 1303

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<210> 1304

<211> 69

<212> DNA

<213> Polyomavirus muris

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 <400> 1306
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 <210> 1307
 <211> 130
 <212> DNA
 <213> Camelpox virus
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 <212> DNA
 <213> Human herpesvirus 2
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 <211> 100
 <212> DNA
 <213> Cercopithecine herpesvirus 7
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 <212> DNA
 <213> Duck adenovirus A
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 <211> 66
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1311

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<210> 1312
<211> 69
<212> DNA
<213> Chimpanzee cytomegalovirus
<400> 1312

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<210> 1313
<211> 99
<212> DNA
<213> Porcine teschovirus
<400> 1313

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<211> 130
<212> DNA
<213> Porcine epidemic diarrhea virus
<400> 1314

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aagacctgac 130
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<211> 112
<212> DNA
<213> Paramecium bursaria Chlorella virus 1
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aaccggtga catatccgtt gttcaccat gttgacacaa agtttttgt tc 112
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<211> 64
<212> DNA
<213> Camelpox virus
<400> 1316

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<210> 1317
<211> 77
<212> DNA
<213> Camelpox virus
<400> 1317

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<210> 1318
<211> 69
<212> DNA
<213> Avian carcinoma virus
<400> 1318

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 <211> 95
 <212> DNA
 <213> Bean leafroll virus
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 <212> DNA
 <213> Human herpesvirus 6
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 aactctacct tctaaaatca cacctcgggtg gaaagatcgt gcggcgtatc gttgtcg 117
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 <212> DNA
 <213> Human herpesvirus 6
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 ttatcc 67
 <210> 1322
 <211> 64
 <212> DNA
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 ctct 64
 <210> 1323
 <211> 73
 <212> DNA
 <213> Human herpesvirus 6
 <400> 1323
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 <210> 1324
 <211> 66
 <212> DNA
 <213> Human adenovirus E
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 <210> 1325
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 <212> DNA
 <213> Alcelaphine herpesvirus 1
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<210> 1326

<211> 84

<212> DNA

<213> Reston Ebola virus

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agtaggcgtc gggatagcgg tcct 84

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<211> 126

<212> DNA

<213> African swine fever virus

<400> 1327

taatgttggc tcatgaagat aaagtgtgcc aaagaaactt ttataaaca atgattaatg 60

taggtgctag tcgtgtgtac ttaaacaggg tattctatag ccaagtattt tctatagcca 120

gtatta 126

<210> 1328

<211> 61

<212> DNA

<213> Alcelaphine herpesvirus 1

<400> 1328

tatagagatt atcagtatcc aagacactaa taaacacgta gctgtataa ctattactat 60

a 61

<210> 1329

<211> 67

<212> DNA

<213> Alcelaphine herpesvirus 1

<400> 1329

tacgttttc attcttctag aaacatttga actattatta gacaatggag aaaagtgaat 60

atacgtat 67

<210> 1330

<211> 69

<212> DNA

<213> Diatraea saccharalis densovirus

<400> 1330

accgcaaact cccgtcgaag ctggagccgt gtgcaaaaca ggatgtagct aggcagcgga 60

ccgttggt 69

<210> 1331

<211> 71

<212> DNA

<213> Diatraea saccharalis densovirus

<400> 1331

cttcgaaatc ttcaaccccg gaggcggcaa aacacacgcg ccgtcgaagg aggaacaaga 60

agaagtcgaa g 71

<210> 1332

<211> 131

<212> DNA

<213> Melanoplus sanguinipes entomopoxvirus

<400> 1332

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tactgtatct tctgatattt gcttagcttc attaacatt tgttcaggat ttcaactac 120
atattttaat t 131
<210> 1333
<211> 110
<212> DNA
<213> Diatraea saccharalis densovirus
<400> 1333
ctcttagagt atcgccaccg acgacgacga cggcagtcga ggcgcggcttc gccgcggcag 60
cttcgctgcc tcgactgccg tcgtcgtcgt cggtggcgat actctaagag 110
<210> 1334
<211> 122
<212> DNA
<213> Barley mild mosaic virus
<400> 1334
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aatcctcggg ttgcaatca tatagttagt tctaccctg gacgtgttcc cccggaactg 120
ca 122
<210> 1335
<211> 108
<212> DNA
<213> Barley mild mosaic virus
<400> 1335
caaaatagta agtactttta tcgtttcgtt atacactaat gcccaggaga gctcagattt 60
tgactgatct gcacattacg aacaccccag ggtatttaca ccagtttg 108
<210> 1336
<211> 71
<212> DNA
<213> Lumpy skin disease virus
<400> 1336
tattgtactg ttaggaaaa actgattttt caaatataaa atctataata gaagttccgg 60
tcactacaat a 71
<210> 1337
<211> 60
<212> DNA
<213> Lumpy skin disease virus
<400> 1337
ctggagccaa ggggatggag atggcatcgt gtgggctgaa ttctttctct tggtttgcag 60
<210> 1338
<211> 73
<212> DNA
<213> Human herpesvirus 6
<400> 1338
tccggccggg tcactgttc tcataaaagc ggtctatctc cactccgctc agccggaccg 60
taccggacc gga 73
<210> 1339
<211> 63
<212> DNA
<213> Human adenovirus E
<400> 1339
gggagacggc gcagccagtg ttttaaaga taaaacaagg cacgtggtct gtgcggctct 60

ccc 63

<210> 1340

<211> 88

<212> DNA

<213> Diatraea saccharalis densovirus

<400> 1340

gagacagcaa catgagtgaa agagatagca tgaaaacaaa ccttgaaata atttatgcgt 60

aattttatta tcttgttatt gtgacctc 88

<210> 1341

<211> 130

<212> DNA

<213> Vaccinia virus

<400> 1341

aaaactcgta ccaacggcaa aaatttcgaa gattagagga gatgaatgcg acacatctgg 60

tgattttatt atttgtatga ttcagactct ttgtccaga aaatataatg cttttgatgg 120

tatcgggtgt 130

<210> 1342

<211> 60

<212> DNA

<213> Vaccinia virus

<400> 1342

cttacaacaaa aattggattc aatattattg gagacgataa aaaatccaag aaacaagaag 60

<210> 1343

<211> 111

<212> DNA

<213> Barley mild mosaic virus

<400> 1343

ccacaattag ctattcgtgt actagcatca tcggatacgc ctatcctgca ctttaagcctg 60

caggacgcta tcagggtccgc tgactgttac catttgtgta gctcgttgtg g 111

<210> 1344

<211> 100

<212> DNA

<213> Gallid herpesvirus 2

<400> 1344

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tgatgatatt gtagtatttt ttttaaatat attatttata 100

<210> 1345

<211> 63

<212> DNA

<213> Gallid herpesvirus 2

<400> 1345

ttattataaa ttctgttgta taattataat tataattata attattaata cattttataa 60

taa 63

<210> 1346

<211> 71

<212> DNA

<213> Alcelaphine herpesvirus 1

<400> 1346

gatgagacag gtttacttta gatagcggta ctgatgtcca caccggttag ataaatataa 60

taaatctcat c 71

<210> 1347
 <211> 70
 <212> DNA
 <213> Sheeppox virus
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 taogatgagg 70
 <210> 1348
 <211> 120
 <212> DNA
 <213> Sheeppox virus
 <400> 1348
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 tgcaaccggg gataaggctc gaggggttga aagaactgaa ggaggaattg ctgacacacc 120
 <210> 1349
 <211> 93
 <212> DNA
 <213> Sheeppox virus
 <400> 1349
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 tgtatttaat tataacctat gtgaatcata agg 93
 <210> 1350
 <211> 92
 <212> DNA
 <213> Human herpesvirus 5
 <400> 1350
 gtagcgagcg tgaggaaaca aaatagcgtc actgtggcca ccatggcata aatgactgaa 60
 cgatgactaa agtgggaagcc tgacgccgtg ac 92
 <210> 1351
 <211> 77
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 1351
 caccagaatg gatagaaaga caaacacagt tacaacatag ctttgaggac tgtcaattg 60
 aactatctaa aatggtg 77
 <210> 1352
 <211> 130
 <212> DNA
 <213> Human adenovirus C
 <400> 1352
 ttctcatcgc ttcttact taacagattg caaaaataaa acaatattac cgcttggtga 60
 tgaaaattgt gaattaatgc tagttaatga tgagatatgt gtagttgtaa aatgttactg 120
 tgatgaagaa 130
 <210> 1353
 <211> 106
 <212> DNA
 <213> Gallid herpesvirus 2
 <400> 1353
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 agttacttat atatttatt gtcagacaat aatgcaatag tggaga 106

<210> 1354
 <211> 72
 <212> DNA
 <213> Human adenovirus C
 <400> 1354
 gcttgtgttg caacagcgct aaaaaatgag aacaagagag actttttaca taatagcttt 60
 tgcaataaat gc 72
 <210> 1355
 <211> 69
 <212> DNA
 <213> Human adenovirus C
 <400> 1355
 gaattaacca atagagacac gtttgacaca gaagctgtgt tgctgacggt ctatattctg 60
 ttgtatttc 69
 <210> 1356
 <211> 114
 <212> DNA
 <213> Human T-lymphotropic virus 2
 <400> 1356
 ggagactcac ctggtggatc catcctctcc aagcggcctc ggttgagacg ccttccgtgg 60
 gaccgtctcc cggcctcggc acctcctgaa ctgctctctc caaggtaagt ctcc 114
 <210> 1357
 <211> 80
 <212> DNA
 <213> Human T-lymphotropic virus 2
 <400> 1357
 cccaaggtaa gtctcctctc aggtcgagct cggctgcccc ttaggtagtc gctccccgag 60
 ggtctttaga gacacccggg 80
 <210> 1358
 <211> 108
 <212> DNA
 <213> Ectromelia virus
 <400> 1358
 aagaatctgt tatatggtat agggagagta taaaacatta aatgcccgta cttattaaag 60
 tattcagtag ccaatcctaa ctctttcgaa tacttattaa ttgctctt 108
 <210> 1359
 <211> 97
 <212> DNA
 <213> Cowpox virus
 <400> 1359
 tgagtcaatt ggtagagttt tataacgagg tcgctaactg gctgttaaga gatgagacct 60
 cgcctattcc tgataacttc ttatacagt tgaaaca 97
 <210> 1360
 <211> 89
 <212> DNA
 <213> Camelpox virus
 <400> 1360
 tccagtgtaa gcaagtcgat ttgaatgaca taggcgacaa agtgagggtgg catttgcag 60
 aagtttcaaa gtcgtgtaag aacattgga 89
 <210> 1361

<211> 61
 <212> DNA
 <213> Human herpesvirus 5
 <400> 1361
 tccatacgtt ttgggaaag ttgggctcgg cccaacgcaa cagacctagg cacacgatgg 60
 a 61
 <210> 1362
 <211> 99
 <212> DNA
 <213> Human herpesvirus 5
 <400> 1362
 tcattaagca agacagcgtc agacgcacgc tggaaaagag ctgctccaac cgggtgcggca 60
 acaccagcca gcaaaaggcg cagacgctca taaggatga 99
 <210> 1363
 <211> 87
 <212> DNA
 <213> Human herpesvirus 5
 <400> 1363
 catcgcgcg ggacgcact tcacgccg cgcccacggc agcgtccgag ggcggggcgct 60
 gccgtggg cgcggcgccc ccagatg 87
 <210> 1364
 <211> 80
 <212> DNA
 <213> Human adenovirus C
 <400> 1364
 ttgtttgtgt tctgaagctt atcagttatt atataagaaa tgcctttctt attgatagat 60
 tgtttacgaa gcagaagcag 80
 <210> 1365
 <211> 94
 <212> DNA
 <213> Human T-lymphotropic virus 2
 <400> 1365
 cctagcgctg aaaaacaagg ctctgacgat taccacctgc ccataaaatt tgcctagtca 60
 aaataaaaga tgccgagtct ataaaagcgc aagg 94
 <210> 1366
 <211> 88
 <212> DNA
 <213> Ectromelia virus
 <400> 1366
 ttgttttaa ttgttgatt attaaagaat atagtttggc aactatataa atgaatttt 60
 gagaatttaa gtcattatt tgaaacaa 88
 <210> 1367
 <211> 73
 <212> DNA
 <213> Cowpox virus
 <400> 1367
 gatttctaag ttacttctgc agcatataac taaacacgtt agtgttcttt attgtttggg 60
 taaaacagat ttc 73
 <210> 1368
 <211> 73

<212> DNA
 <213> Human adenovirus C
 <400> 1368
 atatctgtaa gttgtattct tttatcgaa gcagagtttc ctccggtta gtaggaaga 60
 agttaaata tgt 73
 <210> 1369
 <211> 93
 <212> DNA
 <213> Camelpox virus
 <400> 1369
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 gttgaggtaa ttctagaaag cggattgagt gta 93
 <210> 1370
 <211> 70
 <212> DNA
 <213> Camelpox virus
 <400> 1370
 gggtaaata caatgggggt aaatgacaat ggggcgcttg gtgacacatt tgccccaccg 60
 tcgcctgccc 70
 <210> 1371
 <211> 88
 <212> DNA
 <213> Variola virus
 <400> 1371
 ttctcgaat atacgggcca agttagaatc tccagtaact accatagtgg gatcatcc 60
 agcagctaga gaccgtcaat tcgagaaa 88
 <210> 1372
 <211> 103
 <212> DNA
 <213> Myxoma virus
 <400> 1372
 gatataatct aaacgacgta gaaggcgtgt ttcttgga ctactatcta agctgcaaaa 60
 taggtgaaac aaaaagtcac gcgttacact ggaagcgtat atc 103
 <210> 1373
 <211> 62
 <212> DNA
 <213> Myxoma virus
 <400> 1373
 gaaattagag ttgtacatt aagcaacatg tctttaaag ttggtacaaa ctttcctt 60
 tc 62
 <210> 1374
 <211> 84
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1374
 tagagttaag agagattaga gttgtacat taagcaacat gtctctaaat gtggctacaa 60
 acttttcctt ttccacatca tcta 84
 <210> 1375
 <211> 123
 <212> DNA

<213> Ovine adenovirus 7
 <400> 1375
 tgggcatttt tgattgcaga ttccaggtt ttctgcaaaa atctaaaatt caaactgcta 60
 ttattaatac aggtcccaga gaacaaggcg gaatacactg gataacatta gcattagaac 120
 cca 123
 <210> 1376
 <211> 92
 <212> DNA
 <213> Ovine adenovirus 7
 <400> 1376
 tgtattacag tagaaagaaa tactcaaagt gttcaatgta cctgtgcggg atcgtgcggc 60
 ttgttttgta ttttttctt atactgttt ca 92
 <210> 1377
 <211> 92
 <212> DNA
 <213> Camelpox virus
 <400> 1377
 taattagttc tgtagtaata tctttaataa ttggctatac atctgttcaa tactatctat 60
 tgatgatttc ttttacggc ttgaactaat ta 92
 <210> 1378
 <211> 68
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 1378
 gattatacta tgtggctata ataaaattac gttctttacg tattatacta cacacgttgt 60
 aacaaatc 68
 <210> 1379
 <211> 100
 <212> DNA
 <213> Swinepox virus
 <400> 1379
 tatgaaagga atagtatttg ttaaaaatag aactgtatac gtattaaata caaatgatcc 60
 attgatagat ttatgttta aagaatataa cccatgcata 100
 <210> 1380
 <211> 94
 <212> DNA
 <213> Swinepox virus
 <400> 1380
 atgcttaata tctttactac aacccgaaaa tgtacattta taaaacaag tatttaataa 60
 tggccatgat cgtatcaata aggtattgaa acat 94
 <210> 1381
 <211> 60
 <212> DNA
 <213> Myxoma virus
 <400> 1381
 gagttgttac gtctgcgtct ttgtaagttt tctaaacaga tcaaggcctc gtataaactc 60
 <210> 1382
 <211> 71
 <212> DNA
 <213> Gibbon ape leukemia virus

<400> 1382
 ggcccgacag tctggtcgca ttgcacctc ggcactcgga gcgagacgca gcagccaggc 60
 agactcgggc c 71
 <210> 1383
 <211> 91
 <212> DNA
 <213> Camelpox virus
 <400> 1383
 tatatgttaa tgcataaaa actaattgtt tgtagacga ttaatctca atctcttta 60
 caatcattg gtggaatatg atcaacatt a 91
 <210> 1384
 <211> 73
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1384
 cccatacgtg attcgtgatc tttttggtt tgtagtatag taaaccttc cactctatca 60
 tattgctcgt ggg 73
 <210> 1385
 <211> 80
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1385
 gacaggcccc ggctatcgcg acatgtcggc gacccacggt cgggtggacg tgcgcgaca 60
 tggacgtgca gggggatgtt 80
 <210> 1386
 <211> 130
 <212> DNA
 <213> Feline immunodeficiency virus
 <400> 1386
 gagagtgatt gaggaagtga agctagagca atagaaagct gtaagcaga actcctgctg 60
 acctaaatag ggaagcagta gcagacgctg ctaacagtga gtatctctag tgaagcggac 120
 tcgagctcat 130
 <210> 1387
 <211> 129
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1387
 attgtttcat attattgcat gtccaacaac aactgacgca attacctcg acgtatccta 60
 cgggtgttatt tagtctgtca ataccattc gaagagtatc agtcgtttgt tgtccacagt 120
 aaaagcaat 129
 <210> 1388
 <211> 90
 <212> DNA
 <213> Sheeppox virus
 <400> 1388
 aaggaatcgt atttattaaa aatagaaatg tgtatatatt acacacaaat gatgaattaa 60
 tagatttctt atttaaggag tatgacctt 90
 <210> 1389
 <211> 70
 <212> DNA

<213> Yaba-like disease virus
 <400> 1389
 tataatctatt gtaattttac aagttatagg aataatcgct atatttttt gtatattact 60
 tttgatgta 70
 <210> 1390
 <211> 73
 <212> DNA
 <213> Ovine adenovirus 7
 <400> 1390
 actggactcg gtttcgctgt agctgtgggt caacctgaac atggctccca gagctgctag 60
 gaaccggtcc agt 73
 <210> 1391
 <211> 126
 <212> DNA
 <213> Yaba-like disease virus
 <400> 1391
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 aataatatca tgtttttgt tgataatata gtttattatt cattttacag tttgtttta 120
 tataaa 126
 <210> 1392
 <211> 60
 <212> DNA
 <213> Camelpox virus
 <400> 1392
 gcatttatcg tctcaattat aatattacta aagtataata ggagaaaaaa tatataatgt 60
 <210> 1393
 <211> 131
 <212> DNA
 <213> Tobacco necrosis satellite virus
 <400> 1393
 gggtcacaat gtagtgatg gggcgctgaa agatgcgtag ctacccttct ggagccactt 60
 cctgggtgga agcagaaaac caagggtagc gtggtagcgt ggaaagcagt cccagctctg 120
 cattgggaac c 131
 <210> 1394
 <211> 60
 <212> DNA
 <213> Duck adenovirus A
 <400> 1394
 agttgaaagc attgatgaaa tccttaggca tagccggtaa tttctcggg actttcgact 60
 <210> 1395
 <211> 130
 <212> DNA
 <213> B19 virus
 <400> 1395
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 gcggcgcgcc gcttgttta gtggcacgtc aaccccaagc gctggcccag agccaaccct 120
 aattccggaa 130
 <210> 1396
 <211> 98
 <212> DNA

<213> B19 virus
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 ttttgtaacg gttaaaatgg gcggagcgta ggcgggga 98
 <210> 1397
 <211> 63
 <212> DNA
 <213> Yaba-like disease virus
 <400> 1397
 atacactatg accaacataa caagtaatac aaaattaaat gttgtggtaa caaaaagggtg 60
 tat 63
 <210> 1398
 <211> 130
 <212> DNA
 <213> B19 virus
 <400> 1398
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 ggcgcgccgc ttgtcttagt gtcaaggcaa cccaagcaa gctggcccag agccaaccct 120
 aattccggaa 130
 <210> 1399
 <211> 76
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 1399
 tgttccgcgt gagagccatt cttaatccag tagagacggc taaagagagg ggtgtggcta 60
 catgcaacgc aggaca 76
 <210> 1400
 <211> 64
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 1400
 tgtaatcgtc acgtgaactc caaggtcgag ctgactcgga cactggaggt gagtcacgct 60
 tgca 64
 <210> 1401
 <211> 60
 <212> DNA
 <213> Gallid herpesvirus 3
 <400> 1401
 gcgaccccag ccacgcacga acagagtta acggaagcgt cgtttgcggg ataaggttgt 60
 <210> 1402
 <211> 62
 <212> DNA
 <213> Camelpox virus
 <400> 1402
 tgatacattg attaatgaaa gaacttataa tgccctcaaat gttccagtag ttacgtgtt 60
 cg 62
 <210> 1403
 <211> 62
 <212> DNA
 <213> Camelpox virus

<400> 1403
 ttttacact attaagtttt attgctacta accgtagtaa ttttattaat gcagtataaa 60
 aa 62
 <210> 1404
 <211> 67
 <212> DNA
 <213> Petunia vein clearing virus
 <400> 1404
 catgcgtgaa gaagataaga gggaatccac ttttcagtag tggtcctatg tgtctaaagc 60
 atgcgtg 67
 <210> 1405
 <211> 76
 <212> DNA
 <213> Petunia vein clearing virus
 <400> 1405
 gcttttcta ttatggcatt ttgtaataat gctctgtcca ctatcgagtc tgtattatta 60
 agtgtgataa gtgtgc 76
 <210> 1406
 <211> 93
 <212> DNA
 <213> Petunia vein clearing virus
 <400> 1406
 attatcatca ataaaatgtt tgtgtgaata actctctctt gttccaaac tctcaaatg 60
 gtagttcgat cctaataatta aattgaaggt gat 93
 <210> 1407
 <211> 82
 <212> DNA
 <213> Murray Valley encephalitis virus
 <400> 1407
 gatcttctgc tctattccaa catcagtcac aaggcaccga gcgccgaaca ctgtgactga 60
 tgggggagaa gaccacagga tc 82
 <210> 1408
 <211> 74
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
 <400> 1408
 cctaatttat taagatcaga tggattataa catgtttctg aatatctaaa atctattaca 60
 atttttaaatt tagg 74
 <210> 1409
 <211> 121
 <212> DNA
 <213> Fowl adenovirus D
 <400> 1409
 ttatgtgggg gatgttcttg gggatgcttt gcggggccagg cgatttggat ttcgcggggt 60
 actgggactg gtattccgt gtttgaacg cgagggttcc ttaataaatg tcttttcgta 120
 a 121
 <210> 1410
 <211> 81
 <212> DNA
 <213> Bovine adenovirus D

<400> 1410
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 tgtgtgttct ttttatattg t 81
 <210> 1411
 <211> 82
 <212> DNA
 <213> Japanese encephalitis virus
 <400> 1411
 gatcttctgc tctatctcaa catcagctac taggcacaga gcgccgaagt atgtagctgg 60
 tggtagaggaa gaacacagga tc 82
 <210> 1412
 <211> 82
 <212> DNA
 <213> Murid herpesvirus 4
 <400> 1412
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 gtgtgttatc tgatgtgcga tt 82
 <210> 1413
 <211> 77
 <212> DNA
 <213> Vaccinia virus
 <400> 1413
 tatcaagatg tgtatgtttg tgaaaattgt ggagacatag cagcacaaat caagggtatt 60
 aatacatgtc ttagatg 77
 <210> 1414
 <211> 82
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 aacataaggt ggaattttaa at 82
 <210> 1415
 <211> 77
 <212> DNA
 <213> Equine herpesvirus 1
 <400> 1415
 gccccgagtc gcgtggatga gcaacgctaa acaacaaccg tttttcgct accgctcccc 60
 cagccggggc tcggagc 77
 <210> 1416
 <211> 72
 <212> DNA
 <213> Equine herpesvirus 1
 <400> 1416
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 cgtttatatg gt 72
 <210> 1417
 <211> 69
 <212> DNA
 <213> Sheeppox virus
 <400> 1417

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 tgtgatgta 69
 <210> 1418
 <211> 71
 <212> DNA
 <213> Tobacco mosaic virus
 <400> 1418
 gatcagagga accggatctt ataatcggag ctcttcgag agctctctg gtttggttg 60
 gacctctggt c 71
 <210> 1419
 <211> 131
 <212> DNA
 <213> Ovine adenovirus A
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 ccaggcgagg g 131
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 <213> Paramecium bursaria Chlorella virus 1
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 <210> 1421
 <211> 91
 <212> DNA
 <213> Acute bee paralysis virus
 <400> 1421
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 gtttactcat ctaatgtaga taattttgtt t 91
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1422
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 <211> 105
 <212> DNA
 <213> Maize chlorotic mottle virus
 <400> 1423
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 <210> 1424
 <211> 71
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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aatccttag t 71

<210> 1425

<211> 130

<212> DNA

<213> Parvovirus H1

<400> 1425

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<210> 1426

<211> 60

<212> DNA

<213> Rabbit fibroma virus

<400> 1426

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<210> 1427

<211> 67

<212> DNA

<213> Acute bee paralysis virus

<400> 1427

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<210> 1428

<211> 64

<212> DNA

<213> Human herpesvirus 4

<400> 1428

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tccc 64

<210> 1429

<211> 117

<212> DNA

<213> Human herpesvirus 4

<400> 1429

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<210> 1430

<211> 77

<212> DNA

<213> Leek yellow stripe potyvirus

<400> 1430

gagtaagtct gaagccttta tgggtgataa gcggcccgaa ttgataac ccacctttac 60

cctgcgacgg agtgctc 77

<210> 1431

<211> 66

<212> DNA

<213> Leek yellow stripe potyvirus

<400> 1431

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gtaaga 66

<210> 1432
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 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 ctgatcccgt 70
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 <211> 60
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1433
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 <210> 1434
 <211> 71
 <212> DNA
 <213> Human herpesvirus 8
 <400> 1434
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 cgccgatggc c 71
 <210> 1435
 <211> 69
 <212> DNA
 <213> Yaba-like disease virus
 <400> 1435
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 agtatcgggt 69
 <210> 1436
 <211> 67
 <212> DNA
 <213> Gallid herpesvirus 3
 <400> 1436
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 ccgttat 67
 <210> 1437
 <211> 90
 <212> DNA
 <213> Human adenovirus C
 <400> 1437
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 aaaagcaagc acatcgtagt catgctcatg 90
 <210> 1438
 <211> 120
 <212> DNA
 <213> Human herpesvirus 2
 <400> 1438
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 gttacacgtg catgcgtgcc gagtgaactc tcccgcctcg acgcgctccg gctccggggc 120
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<212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <210> 1440
 <211> 63
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 gaa 63
 <210> 1441
 <211> 72
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1441
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 tatattggc tc 72
 <210> 1442
 <211> 82
 <212> DNA
 <213> Human herpesvirus 5
 <400> 1442
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 cacgaccaca gagggagacg gg 82
 <210> 1443
 <211> 76
 <212> DNA
 <213> Zaire Ebola virus
 <400> 1443
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 catttacacg atcggt 76
 <210> 1444
 <211> 105
 <212> DNA
 <213> Cercopithecine herpesvirus 7
 <400> 1444
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 taagtgggtgt ttataaatc ccctgcttca ttggttttaa tcaact 105
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 <211> 80
 <212> DNA
 <213> Human herpesvirus 2
 <400> 1445
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 ccgccttcgc gccccccccc 80
 <210> 1446
 <211> 115
 <212> DNA

<213> Monkeypox virus
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 gtaataatat acctctgtta tacgtttaat gttcacggtc ttagtatttt tagat 115
 <210> 1447
 <211> 89
 <212> DNA
 <213> Monkeypox virus
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 tgacaaaatt cacagactct caagatttt 89
 <210> 1448
 <211> 100
 <212> DNA
 <213> Equine herpesvirus 1
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 gtataactca tcccggatat tgtttcaacc gtttgactgt 100
 <210> 1449
 <211> 84
 <212> DNA
 <213> Rat cytomegalovirus
 <400> 1449
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 gaagagtaga aataattacg ggtg 84
 <210> 1450
 <211> 60
 <212> DNA
 <213> Monkeypox virus
 <400> 1450
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 <210> 1451
 <211> 66
 <212> DNA
 <213> Monkeypox virus
 <400> 1451
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 tgatgg 66
 <210> 1452
 <211> 99
 <212> DNA
 <213> Equine herpesvirus 1
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 ccaagcacgg ctgctattct attttatgtg tctctgctt 99
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 <211> 90
 <212> DNA
 <213> Equine herpesvirus 1
 <400> 1453

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attagagttt tgtaagagtt tattattagc 90

<210> 1454

<211> 89

<212> DNA

<213> Camelpox virus

<400> 1454

aaaataaatt agaagctggt ggtcattggt atgaatctct ttacagaggaa tacagacaat 60
tgacaaaatt cacagactct caagatttt 89

<210> 1455

<211> 131

<212> DNA

<213> Swinepox virus

<400> 1455

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atcttttctc ctcatctcat cgtgggtgaat aatgagctct ttcaatatat ccgaaatatc 120
taactcatga a 131

<210> 1456

<211> 104

<212> DNA

<213> Myxoma virus

<400> 1456

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gcgtggataa gggatatttg gcagattttg ttctcgcaac gact 104

<210> 1457

<211> 73

<212> DNA

<213> Canine adenovirus

<400> 1457

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aagtagactg caa 73

<210> 1458

<211> 79

<212> DNA

<213> Canine adenovirus

<400> 1458

agtggtcctt caaagttatg ttgcactcat agaagtacac acctccggca tccattctga 60
aaaataacaa aacaccact 79

<210> 1459

<211> 124

<212> DNA

<213> Human papillomavirus type 65

<400> 1459

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ggaaacgtgt atgtatttgc ttttctgtg agaaacttga gtaaaataaa ctgccacatt 120
cttg 124

<210> 1460

<211> 91

<212> DNA

<213> Human papillomavirus type 50

<400> 1460
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 <210> 1461
 <211> 82
 <212> DNA
 <213> Human adenovirus D
 <400> 1461
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 gctgacaatt cagagccagg gc 82
 <210> 1462
 <211> 66
 <212> DNA
 <213> Canine adenovirus
 <400> 1462
 ataagtagac tgcaacaaca tcgaaacccc gcgacacaaa tctgtctcgc ggtcttgctc 60
 tcttat 66
 <210> 1463
 <211> 82
 <212> DNA
 <213> Sheeppox virus
 <400> 1463
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 tagccataga atcatatata tg 82
 <210> 1464
 <211> 84
 <212> DNA
 <213> Sheeppox virus
 <400> 1464
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 tctatagggc atataatatt cctt 84
 <210> 1465
 <211> 71
 <212> DNA
 <213> Bovine herpesvirus 4
 <400> 1465
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 ggagtgtct c 71
 <210> 1466
 <211> 85
 <212> DNA
 <213> Walleye dermal sarcoma virus
 <400> 1466
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 aacagacaaa tgtgactggc ctggg 85
 <210> 1467
 <211> 109
 <212> DNA
 <213> Walleye dermal sarcoma virus
 <400> 1467

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aaacaataaaa aagagataaaa taaggtacaa gatccagcat gtaggtggg 109
<210> 1468
<211> 85
<212> DNA
<213> Paramecium bursaria Chlorella virus 1
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tgtcataggc taaaacacgc totcc 85
<210> 1469
<211> 101
<212> DNA
<213> Paramecium bursaria Chlorella virus 1
<400> 1469
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<210> 1470
<211> 84
<212> DNA
<213> Variola virus
<400> 1470
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tctgatgtta aatggttoga tata 84
<210> 1471
<211> 96
<212> DNA
<213> Molluscum contagiosum virus
<400> 1471
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gcgcgggctc aagtcgccct tttgtctcg aactcg 96
<210> 1472
<211> 71
<212> DNA
<213> Fowlpox virus
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gttctaaaga g 71
<210> 1473
<211> 91
<212> DNA
<213> Lumpy skin disease virus
<400> 1473
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atcaccagag ccgataacat atatagacc t 91
<210> 1474
<211> 129
<212> DNA
<213> Molluscum contagiosum virus
<400> 1474
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 gcctgctag 129
 <210> 1475
 <211> 102
 <212> DNA
 <213> Molluscum contagiosum virus
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 <212> DNA
 <213> Molluscum contagiosum virus
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 ggcccgcacct ttctgcgcg cg 82
 <210> 1477
 <211> 122
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 1477
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 at 122
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 <211> 63
 <212> DNA
 <213> Bovine herpesvirus 4
 <400> 1478
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 cca 63
 <210> 1479
 <211> 89
 <212> DNA
 <213> European brown hare syndrome virus
 <400> 1479
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 gtttagtgat ttatagtta aagcaaatt 89
 <210> 1480
 <211> 63
 <212> DNA
 <213> Human papillomavirus type 24
 <400> 1480
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 gga 63
 <210> 1481
 <211> 91
 <212> DNA
 <213> Equine herpesvirus 4
 <400> 1481

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 <210> 1482
 <211> 131
 <212> DNA
 <213> African swine fever virus
 <400> 1482
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 <211> 70
 <212> DNA
 <213> Ectromelia virus
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 <210> 1484
 <211> 63
 <212> DNA
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 <210> 1485
 <211> 62
 <212> DNA
 <213> Beet virus Q
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 aa 62
 <210> 1486
 <211> 64
 <212> DNA
 <213> Beet virus Q
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 agat 64
 <210> 1487
 <211> 98
 <212> DNA
 <213> Human papillomavirus type 63
 <400> 1487
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 <211> 87
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 attcaatatt ttgtatatta ttatta 87
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 <211> 67
 <212> DNA
 <213> Cowpox virus
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 ggaccac 67
 <210> 1490
 <211> 78
 <212> DNA
 <213> Ectromelia virus
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 <211> 63
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 <213> O'nyong-nyong virus
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 <210> 1492
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 <212> DNA
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 ggtaaaaatg 70
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 <211> 66
 <212> DNA
 <213> Fowlpox virus
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 gaagat 66
 <210> 1494
 <211> 130
 <212> DNA
 <213> Yaba-like disease virus
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 <210> 1495
 <211> 96
 <212> DNA
 <213> Garlic virus X
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<212> DNA
<213> Garlic virus A
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<210> 1497
<211> 62
<212> DNA
<213> Macaca mulatta rhadinovirus
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<210> 1498
<211> 96
<212> DNA
<213> Human herpesvirus 5
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<210> 1499
<211> 101
<212> DNA
<213> Sulfolobus virus SIRV-1
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<210> 1500
<211> 100
<212> DNA
<213> Camelpox virus
<400> 1500
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<210> 1501
<211> 88
<212> DNA
<213> Camelpox virus
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attaaagtag gtaaacttag ctatagtt 88
<210> 1502
<211> 97
<212> DNA
<213> Fowlpox virus
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 <211> 91
 <212> DNA
 <213> Human herpesvirus 1
 <400> 1503
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 <210> 1504
 <211> 66
 <212> DNA
 <213> Taura syndrome virus
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 tagtac 66
 <210> 1505
 <211> 131
 <212> DNA
 <213> Human herpesvirus 5
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 <210> 1506
 <211> 84
 <212> DNA
 <213> Reston Ebola virus
 <400> 1506
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 ttatgacgaa gattaaagga gagg 84
 <210> 1507
 <211> 83
 <212> DNA
 <213> Avian leukosis virus
 <400> 1507
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 taggagtccc ctcaggatat agt 83
 <210> 1508
 <211> 79
 <212> DNA
 <213> Vaccinia virus
 <400> 1508
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 acgctagata tacagtctc 79
 <210> 1509
 <211> 102
 <212> DNA
 <213> Sulfolobus virus SIRV-1
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taatgcttta tataaaaaag ccgggttcaa attagtaggt ca 102
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 <211> 79
 <212> DNA
 <213> Variola virus
 <400> 1510
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 <211> 92
 <212> DNA
 <213> Sugarcane striate mosaic associated virus
 <400> 1511
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 <212> DNA
 <213> Igbo Ora virus
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 caaaagggtt cagcacatgc tg 82

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 <212> DNA
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 aattcgaaga tactgtta 78
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 <211> 64
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 <212> DNA
 <213> Ovine adenovirus 7
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 <212> DNA
 <213> Fowlpox virus
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 agacgccg 128
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 <212> DNA
 <213> Equine infectious anemia virus
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 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 <213> Equine herpesvirus 2
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 <212> DNA
 <213> Swinepox virus
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 <213> Swinepox virus
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 ccgtgaatgg tccgggt 76
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 <211> 87
 <212> DNA
 <213> Arctic ground squirrel hepatitis B virus
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 tttgtgggaa tcaggaatct tgtattt 87
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 <211> 64
 <212> DNA
 <213> Human papillomavirus type 54
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<211> 127
 <212> DNA
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 ctcgacc 127
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 <211> 107
 <212> DNA
 <213> Variola virus
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 tgcgccgtac cgttcgatga tatagtagct actatgccaa atgaatc 107
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 <212> DNA
 <213> Fowlpox virus
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 <210> 1534
 <211> 62
 <212> DNA
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 ta 62
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 <212> DNA
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 <212> DNA
 <213> Gallid herpesvirus 2
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 ggggtgag 128
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 <212> DNA
 <213> Indian citrus ringspot virus
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<210> 1538
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 tacgtttatt ataatctcgc cgagtg 86
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 <211> 70
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 <212> DNA
 <213> Myxoma virus
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 <211> 82
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 gtataggcca gaccaaacc cc 82
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 <212> DNA
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 <212> DNA
 <213> Yaba-like disease virus
 <400> 1548
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 catttaaac ttataaaca atgat 85
 <210> 1549
 <211> 87
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 <213> Saimiriine herpesvirus 2
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 <212> DNA
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 <212> DNA
 <213> Human adenovirus E
 <400> 1551
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 <210> 1552
 <211> 67
 <212> DNA

<213> Human adenovirus E
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 tcagatgtgc c 71
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 <213> Cryphonectria hypovirus 3
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 <212> DNA
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<211> 103
<212> DNA
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<211> 114
<212> DNA
<213> Equine herpesvirus 1
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<211> 131
<212> DNA
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<211> 123
<212> DNA
<213> Equine herpesvirus 1
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cgg 123
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<211> 91
<212> DNA
<213> Equine herpesvirus 1
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<212> DNA
<213> Equine herpesvirus 1

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 <213> Equine herpesvirus 1
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<213> Equine herpesvirus 1
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 <212> DNA
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 <212> DNA
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<212> DNA
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<213> Cowpox virus
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 <212> DNA
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 <213> Fowlpox virus
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 <211> 65
 <212> DNA
 <213> Equine foamy virus
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 <210> 1629
 <211> 87
 <212> DNA
 <213> Equine foamy virus
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<212> DNA
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 <212> DNA
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 <212> DNA
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 aataaataat ttatgtaata ctagctagtgt ttatttatg a 101
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 <212> DNA
 <213> Equine foamy virus
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 <211> 64
 <212> DNA
 <213> Equine foamy virus
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 <212> DNA
 <213> Zaire Ebola virus
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 attaggcccc aagaggcatt ctcatctcc ttttagca 98
 <210> 1636
 <211> 69
 <212> DNA
 <213> Zaire Ebola virus
 <400> 1636
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 <210> 1637
 <211> 81
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<213> Fowlpox virus
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 tattttattc tttataatg g 81
 <210> 1638
 <211> 102
 <212> DNA
 <213> Equine foamy virus
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 <210> 1639
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 <212> DNA
 <213> Peanut chlorotic streak virus
 <400> 1639
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 <212> DNA
 <213> Fowl adenovirus D
 <400> 1640
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 <212> DNA
 <213> Cowpox virus
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 gatgggtgaat 70
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 <211> 66
 <212> DNA
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 ctctcg 66
 <210> 1643
 <211> 63
 <212> DNA
 <213> Cowpox virus
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 <210> 1644
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 <212> DNA
 <213> African swine fever virus

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 <211> 72
 <212> DNA
 <213> African swine fever virus
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 tatgtattct tc 72
 <210> 1646
 <211> 114
 <212> DNA
 <213> Fowlpox virus
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 aaatcgaaaa atacttttta ttatatacat atagtctatt aaacaaaatg atag 114
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 <212> DNA
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 <212> DNA
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 <210> 1649
 <211> 78
 <212> DNA
 <213> Human herpesvirus 4
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 <211> 83
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 cgagatatag ctttccaaa gga 83
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 <213> Human herpesvirus 4
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 <212> DNA
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 <210> 1653
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 <212> DNA
 <213> Human herpesvirus 4
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 <212> DNA
 <213> Fowlpox virus
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 <212> DNA
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 <212> DNA
 <213> Fowlpox virus
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 ggcggcacgg gcgcc 75
 <210> 1658
 <211> 63
 <212> DNA
 <213> Cherry mottle leaf virus
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tgt 63
 <210> 1659
 <211> 126
 <212> DNA
 <213> Cherry mottle leaf virus
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 aatatgtgca ggttctttga cagtttttg ggttctgaga tttcaagaa tgaatcaa 120
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 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 cgctgagtat ttcca 75
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 <211> 131
 <212> DNA
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 <213> Macaca mulatta rhadinovirus
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 <213> Human herpesvirus 4
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 <212> DNA
 <213> Human herpesvirus 4
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 <211> 72
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 ggggatggag gc 72
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 <211> 62
 <212> DNA
 <213> Cherry mottle leaf virus
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 <210> 1668
 <211> 86
 <212> DNA
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 atccgcgaga aaccgtgccc gggc 84
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 <212> DNA
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 <211> 63
 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 <211> 91
 <212> DNA
 <213> Monkeypox virus
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 <212> DNA
 <213> Simian immunodeficiency virus
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 cagctccac gcgacagatc cgtctctcag c 91
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 <212> DNA
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 <213> Simian immunodeficiency virus
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 <212> DNA
 <213> Simian immunodeficiency virus
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 <211> 66
 <212> DNA
 <213> Simian immunodeficiency virus
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 <211> 73
 <212> DNA
 <213> Simian immunodeficiency virus
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 <210> 1683
 <211> 72
 <212> DNA
 <213> Simian immunodeficiency virus
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 <212> DNA
 <213> Simian immunodeficiency virus
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 <213> Ectromelia virus
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 ttgtagca 68
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 <211> 64
 <212> DNA
 <213> Variola virus
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 <211> 60
 <212> DNA
 <213> Variola virus

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 <213> Variola virus
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 <212> DNA
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 <212> DNA
 <213> Equine rhinitis B virus
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 <212> DNA
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 aaaagttgtg attgtaggtc aggatccata tgcc 94
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 <212> DNA
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 <211> 71
 <212> DNA
 <213> Ateline herpesvirus 3
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 <212> DNA
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 gcttgctagt ggggccgc 78
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 <211> 69
 <212> DNA
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 <210> 1722
 <211> 90
 <212> DNA
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 <211> 67
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<213> Camelpox virus
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 <213> Human echovirus 1
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 <212> DNA
 <213> Human echovirus 1
 <400> 1725
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 <210> 1726
 <211> 130
 <212> DNA
 <213> Ictalurid herpesvirus 1
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 aactacctct 130
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 <211> 69
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 <210> 1729
 <211> 131
 <212> DNA
 <213> Camelpox virus
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 cagacactgg attccgcact gcactgtggc ccaatttgac gaagaaagag aaacaaaagg 120
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 <211> 64
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<213> Camelpox virus
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 catc 64
 <210> 1731
 <211> 67
 <212> DNA
 <213> Camelpox virus
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 ccgtccc 67
 <210> 1732
 <211> 61
 <212> DNA
 <213> Camelpox virus
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 <210> 1733
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 <212> DNA
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 tg 62
 <210> 1734
 <211> 68
 <212> DNA
 <213> Human echovirus 1
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 atggatgc 68
 <210> 1735
 <211> 86
 <212> DNA
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 cctgccttc accctccggc cccccg 86
 <210> 1736
 <211> 64
 <212> DNA
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 aagc 64
 <210> 1737
 <211> 117
 <212> DNA
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<400> 1737
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 <211> 73
 <212> DNA
 <213> Ictalurid herpesvirus 1
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 <210> 1739
 <211> 67
 <212> DNA
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 gttacta 67
 <210> 1740
 <211> 64
 <212> DNA
 <213> Ictalurid herpesvirus 1
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 agtt 64
 <210> 1741
 <211> 126
 <212> DNA
 <213> Vaccinia virus
 <400> 1741
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 gataat 126
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 <212> DNA
 <213> Human echovirus 1
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 gtttcaatta ttagtatta 80
 <210> 1743
 <211> 80
 <212> DNA
 <213> Human echovirus 1
 <400> 1743
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 <210> 1744
 <211> 103
 <212> DNA
 <213> Ictalurid herpesvirus 1

<400> 1744
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 ctgagtacga agtcaattct cttacttcag ccaggaatag tot 103
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 <211> 89
 <212> DNA
 <213> Vaccinia virus
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 tgtattcata gacactcggg ttttattc 89
 <210> 1746
 <211> 82
 <212> DNA
 <213> Vaccinia virus
 <400> 1746
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 atcattaata taattagttt ta 82
 <210> 1747
 <211> 78
 <212> DNA
 <213> Monkeypox virus
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 gtgtccccct ttgcgggc 78
 <210> 1748
 <211> 78
 <212> DNA
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 ctatcgatcat tttttct 78
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 <211> 62
 <212> DNA
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 <213> Ictalurid herpesvirus 1
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 <211> 70
 <212> DNA
 <213> Monkeypox virus
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 <211> 66
 <212> DNA
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 <210> 1753
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 <212> DNA
 <213> Monkeypox virus
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 agaatacgat agggcc 76
 <210> 1754
 <211> 86
 <212> DNA
 <213> Monkeypox virus
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 tggatgacga cttccgccag ggacgc 86
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 <212> DNA
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 <211> 78
 <212> DNA
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 <211> 63
 <212> DNA
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 <211> 96
 <212> DNA
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 <212> DNA
 <213> Murid herpesvirus 4
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 aacaactgtt tgccaggcac ttcttaatc gtgctgggtg agt 103
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 <211> 69
 <212> DNA
 <213> Poliovirus
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 <211> 127
 <212> DNA
 <213> Monkeypox virus
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 <211> 110
 <212> DNA
 <213> Monkeypox virus
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 <211> 79
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 <213> Murid herpesvirus 4
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 <212> DNA
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 <212> DNA
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 <211> 64
 <212> DNA
 <213> Poliovirus
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 acat 64
 <210> 1771
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 <212> DNA
 <213> Poliovirus
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 <212> DNA
 <213> Poliovirus
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ggtatttctt tataggg 77
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<211> 82
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<213> Poliovirus
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ctgaaaatgg ttcgtggcga tg 82
<210> 1774
<211> 111
<212> DNA
<213> Poliovirus
<400> 1774
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<212> DNA
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cctacggcag caa 73
<210> 1776
<211> 65
<212> DNA
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<210> 1777
<211> 73
<212> DNA
<213> Camelpox virus
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<210> 1778
<211> 61
<212> DNA
<213> Tupaia herpesvirus
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<210> 1779
<211> 131
<212> DNA
<213> Melanoplus sanguinipes entomopoxvirus
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 <211> 69
 <212> DNA
 <213> Bovine adenovirus B
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 aatgacgat 69
 <210> 1781
 <211> 64
 <212> DNA
 <213> Marburg virus
 <400> 1781
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 ttgc 64
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 <211> 80
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <211> 60
 <212> DNA
 <213> Murine type C retrovirus
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 <210> 1784
 <211> 111
 <212> DNA
 <213> Murine type C retrovirus
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 <211> 64
 <212> DNA
 <213> Murine osteosarcoma virus
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 tgaa 64
 <210> 1786
 <211> 62
 <212> DNA
 <213> Murine osteosarcoma virus
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 cg 62

<210> 1787
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 <212> DNA
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 <212> DNA
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 <211> 86
 <212> DNA
 <213> Murine type C retrovirus
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 ccgcgctcgg accgggacga cgcgtt 86
 <210> 1790
 <211> 72
 <212> DNA
 <213> Banana mild mosaic virus
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 attcattacc cc 72
 <210> 1791
 <211> 68
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 cggccctg 68
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 <212> DNA
 <213> Rana tigrina ranavirus
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<210> 1795
<211> 80
<212> DNA
<213> Ribgrass mosaic virus
<400> 1795
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<212> DNA
<213> Simian type D virus 1
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<212> DNA
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tcatgaagat gcccatcacc ggca 84
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<211> 97
<212> DNA
<213> Simian type D virus 1
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<211> 68
<212> DNA
<213> Melanoplus sanguinipes entomopoxvirus
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tccgtcct 68
<210> 1800
<211> 103
<212> DNA
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<400> 1800
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cacacaaccc ccatttact gtgaaatccc gcattcgggtt gtt 103

<210> 1801
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 <212> DNA
 <213> Marburg virus
 <400> 1801
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 ttctgtagtt aaatttctag aatgtcaatg tgaatgta 98
 <210> 1802
 <211> 60
 <212> DNA
 <213> Marburg virus
 <400> 1802
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 <210> 1803
 <211> 92
 <212> DNA
 <213> Murine osteosarcoma virus
 <400> 1803
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 ctttcttta atcttttcc ggtttagtag ca 92
 <210> 1804
 <211> 79
 <212> DNA
 <213> Ribgrass mosaic virus
 <400> 1804
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 gaagagtcgc gtccatcgg 79
 <210> 1805
 <211> 75
 <212> DNA
 <213> Ribgrass mosaic virus
 <400> 1805
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 aataactaaa agtga 75
 <210> 1806
 <211> 61
 <212> DNA
 <213> Marburg virus
 <400> 1806
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 a 61
 <210> 1807
 <211> 101
 <212> DNA
 <213> Lumpy skin disease virus
 <400> 1807
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 tgccagcttt tacttcattc tcactgtat tattagtagt a 101
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<212> DNA
 <213> Crucifer tobamovirus
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 tc 62
 <210> 1809
 <211> 126
 <212> DNA
 <213> Banana mild mosaic virus
 <400> 1809
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 attcaagaaa gagctcgtgc ctattttgct tgaattgggt gtggagggtg aagtggagga 120
 ggaggg 126
 <210> 1810
 <211> 91
 <212> DNA
 <213> Turnip vein-clearing virus
 <400> 1810
 tcggcgttgt cgcaatcgta ccaaacacaa gctgcgagag acactgttag acagcaattc 60
 tcaaacttgt taagtgcggt tgtgacgccg a 91
 <210> 1811
 <211> 62
 <212> DNA
 <213> Turnip vein-clearing virus
 <400> 1811
 gaccgttgcc attagaagtc aaattcagct ttgctgagt gagctttcta atggacatgg 60
 tt 62
 <210> 1812
 <211> 84
 <212> DNA
 <213> Turnip vein-clearing virus
 <400> 1812
 tcgaaacccc ttatttcctg gatcacctgt taacgcacgt ttgacgtgta ttacagtggg 60
 aataagtaaa agtgagaggt tcga 84
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 <211> 67
 <212> DNA
 <213> Human adenovirus B
 <400> 1813
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 ccccgca 67
 <210> 1814
 <211> 61
 <212> DNA
 <213> Gallid herpesvirus 2
 <400> 1814
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 c 61
 <210> 1815
 <211> 84

<212> DNA
 <213> Ectromelia virus
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 ggtatgggtc gatcagtggc ccct 84
 <210> 1816
 <211> 66
 <212> DNA
 <213> Meleagrid herpesvirus 1
 <400> 1816
 gccgcagctc acatgccgcc ttccgcgctt gcctaggcgc gagtgtgaga ggaggcgggt 60
 tgcggc 66
 <210> 1817
 <211> 80
 <212> DNA
 <213> Crucifer tobamovirus
 <400> 1817
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 tgttaagtgc gattgtgaca 80
 <210> 1818
 <211> 64
 <212> DNA
 <213> Crucifer tobamovirus
 <400> 1818
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 gggg 64
 <210> 1819
 <211> 68
 <212> DNA
 <213> Human adenovirus B
 <400> 1819
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 aaaagaca 68
 <210> 1820
 <211> 66
 <212> DNA
 <213> Ectromelia virus
 <400> 1820
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 tgtggt 66
 <210> 1821
 <211> 71
 <212> DNA
 <213> African swine fever virus
 <400> 1821
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 actgtcgggc c 71
 <210> 1822
 <211> 75
 <212> DNA

<213> African swine fever virus
 <400> 1822
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 gcctcgggtg taacg 75
 <210> 1823
 <211> 75
 <212> DNA
 <213> Gibbon ape leukemia virus
 <400> 1823
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 ctctccggag agacg 75
 <210> 1824
 <211> 84
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1824
 gacgcgaata aatattgac gtgctccgac gtaaatttta ttattctgga gaagtaatgc 60
 atatgtaaaa tacctattcc cggt 84
 <210> 1825
 <211> 73
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 1825
 cgcacacggg caggcagaag gcgcagtcga tctgcactg gggtcgcaag cagcccttc 60
 ccagcccgcg gcg 73
 <210> 1826
 <211> 70
 <212> DNA
 <213> Vaccinia virus
 <400> 1826
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 tctactgata 70
 <210> 1827
 <211> 83
 <212> DNA
 <213> Vaccinia virus
 <400> 1827
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 ttgtatttt attcatattc tta 83
 <210> 1828
 <211> 106
 <212> DNA
 <213> Alcelaphine herpesvirus 1
 <400> 1828
 tgcacagtgc tgatcaattg actggtatta actgttgaca gttttaactg ttcatacaaa 60
 ttgtgactat atatacaagt tagttcccc aaaaaatcac tctgca 106
 <210> 1829
 <211> 107
 <212> DNA
 <213> Human herpesvirus 2

<400> 1829
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 aaagggaac gcgtccaacc gataaatcaa gcgccgacca gaacccc 107
 <210> 1830
 <211> 66
 <212> DNA
 <213> Human papillomavirus type 90
 <400> 1830
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 gctgggt 66
 <210> 1831
 <211> 77
 <212> DNA
 <213> Human papillomavirus type 6
 <400> 1831
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 atgtgacgc aacgttc 77
 <210> 1832
 <211> 76
 <212> DNA
 <213> Fowlpox virus
 <400> 1832
 atattatctt tatctaaccg aacagatggt gctttcttag ttaacataaa tagaaaaaaa 60
 acgataacta taatat 76
 <210> 1833
 <211> 111
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1833
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 cttctgcaac cgccgtacta atgaagcagc ccgtcgcaac ggctcttccc g 111
 <210> 1834
 <211> 130
 <212> DNA
 <213> Cercopithecine herpesvirus 7
 <400> 1834
 gtaaaatatt tccggtaggc gtgtatgtag tgttctgtta tttaattg atatattagt 60
 acagctatat aacagttgtg tatgttacac gccatataac aacactacat atatctctaa 120
 gttgataaac 130
 <210> 1835
 <211> 101
 <212> DNA
 <213> Cowpox virus
 <400> 1835
 taggtataat ataattaatt atatgggtta ttatcacaat tcaaccatgg tgattgtgaa 60
 ttagtactac ccaataatca aatgtgcttg tattgtatct a 101
 <210> 1836
 <211> 95
 <212> DNA
 <213> Sulfolobus virus SIRV-2

<400> 1836
 tacgactaac attttatag ttatcattac aatttttag cagttaaag caaaaaaata 60
 acagatgtat aattgaaaga acttttagt ttgta 95
 <210> 1837
 <211> 98
 <212> DNA
 <213> Meleagrid herpesvirus 1
 <400> 1837
 gcaccgtgga ggtcgttcta tcgcatgcga ttgtgcgaat gtgccaaactg cgaatgccgt 60
 tattacaata aaaatgtgac ttgaaaaatc cgccaagc 98
 <210> 1838
 <211> 85
 <212> DNA
 <213> Meleagrid herpesvirus 1
 <400> 1838
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 acgtaccaac cagaacgtg cacga 85
 <210> 1839
 <211> 71
 <212> DNA
 <213> Avian paramyxovirus 6
 <400> 1839
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 agtaatccat c 71
 <210> 1840
 <211> 63
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 1840
 gtaaattatg atatggcaca tgcgttagat gctgccagaa acacacggct atatacatt 60
 tat 63
 <210> 1841
 <211> 64
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 1841
 tcagcttcag atgagctcta ttgaagagtc aagaggctct ggagagacgc tcaaactgcc 60
 ttga 64
 <210> 1842
 <211> 83
 <212> DNA
 <213> Bovine respiratory syncytial virus
 <400> 1842
 cataatcatc atattttctc aacctgatta acccttcaat tcattttgta gattatacct 60
 cagttagata aataaaaatt atg 83
 <210> 1843
 <211> 67
 <212> DNA
 <213> Avian paramyxovirus 6
 <400> 1843

ggggggaagg aggttgactg caacctcaat tgatcagagg ttgcagcact aactctttac 60
 aaccccc 67
 <210> 1844
 <211> 61
 <212> DNA
 <213> Peanut clump virus
 <400> 1844
 cattccctag ctattataag gttaattgca aaaaccctta tatctggcta agatgggagt 60
 g 61
 <210> 1845
 <211> 63
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1845
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 tcc 63
 <210> 1846
 <211> 76
 <212> DNA
 <213> Transmissible gastroenteritis virus
 <400> 1846
 ttagagaag tttaaagatc cgctacgacg agccaacaat ggaagagcta acgtctggat 60
 ctagtgattg tttaa 76
 <210> 1847
 <211> 62
 <212> DNA
 <213> Sulfolobus virus SIRV-1
 <400> 1847
 aagctaattt tacgtgagtt aaaagttaa aaagatttct tggaaattca cgttattagt 60
 tt 62
 <210> 1848
 <211> 63
 <212> DNA
 <213> Brome mosaic virus
 <400> 1848
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 cag 63
 <210> 1849
 <211> 89
 <212> DNA
 <213> Human papillomavirus type 60
 <400> 1849
 aggaggagga gcactatccc tatacaatag acacctgttg caaaccttgt ggagcagggtg 60
 ttagatttac tattattgct actccttct 89
 <210> 1850
 <211> 65
 <212> DNA
 <213> Pestivirus type 3
 <400> 1850
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ttaaa 65
 <210> 1851
 <211> 60
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1851
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 <210> 1852
 <211> 81
 <212> DNA
 <213> Human papillomavirus type 65
 <400> 1852
 cattagcagt aactgaatat aatgcaaaac aagcaataca aatacattg actttgcagt 60
 cattattaaa gtctccttat g 81
 <210> 1853
 <211> 82
 <212> DNA
 <213> Human papillomavirus type 55
 <400> 1853
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 tcagaggatg aggtggatga ac 82
 <210> 1854
 <211> 66
 <212> DNA
 <213> Human papillomavirus type 63
 <400> 1854
 gtgcctaaat ctgtttctgt tattttaggg gcatttgacg gttcctaagg gtgggtgttg 60
 gggat 66
 <210> 1855
 <211> 82
 <212> DNA
 <213> Human papillomavirus type 44
 <400> 1855
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 atattgtgtc ctgtgtgtgc gc 82
 <210> 1856
 <211> 81
 <212> DNA
 <213> Human papillomavirus type 25
 <400> 1856
 cgatacataa aaggtgagtt atgtgccaaa tcagatacag tctgtgccaa actcaggcag 60
 ctgctcgcca gatgcgtatc g 81
 <210> 1857
 <211> 93
 <212> DNA
 <213> Fowlpox virus
 <400> 1857
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 ttgacaata ttataatag ttaactagt aat 93
 <210> 1858

<211> 99
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 gatacgatat tacaccatca ttatttatg tacttcttt 99
 <210> 1859
 <211> 80
 <212> DNA
 <213> Monkeypox virus
 <400> 1859
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 atcattcttt tagcacatgt 80
 <210> 1860
 <211> 68
 <212> DNA
 <213> Human papillomavirus type 63
 <400> 1860
 gtctgaaggg gggccctaata caacttaagt gcttaaggta taggattaaa gcttcaaatt 60
 catctgac 68
 <210> 1861
 <211> 83
 <212> DNA
 <213> Feline immunodeficiency virus
 <400> 1861
 tatttgtaaa tggatatcct ataaaatttt tattagacac aggagcagat ataacaatt 60
 taaataggag agatttcaa gta 83
 <210> 1862
 <211> 75
 <212> DNA
 <213> Feline immunodeficiency virus
 <400> 1862
 gaacaaatta tattaatgta catttagaga ttagagatga aaattataag acacaatgta 60
 tatttggttaa tgttt 75
 <210> 1863
 <211> 112
 <212> DNA
 <213> Human herpesvirus 1
 <400> 1863
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 atgcccggga cccatgaagc atgcgcgact tccgggcctc agaaccacc cg 112
 <210> 1864
 <211> 74
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 1864
 ctcatgtgg tttcgcgcc tcagagttgt taaccacatt cggcaaaagg ggaagtatga 60
 aaccacaag ggag 74
 <210> 1865
 <211> 87

<212> DNA
 <213> Camelpox virus
 <400> 1865
 ttttattct tcattcggtta cgacttttaa cacacccgaa tgtatcgaca aagggcaata 60
 tttgcgtca ttatggagt tagaaaa 87
 <210> 1866
 <211> 75
 <212> DNA
 <213> Human papillomavirus type 89
 <400> 1866
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 tgcagttagg ttagt 75
 <210> 1867
 <211> 67
 <212> DNA
 <213> Monkeypox virus
 <400> 1867
 gattttcaat tatgtatcat tatagcaaca gtaattcttg ctctccttg attttagcat 60
 cctcttc 67
 <210> 1868
 <211> 127
 <212> DNA
 <213> Human papillomavirus type 15
 <400> 1868
 gacctgcatt gctacgaaga gttaagtga gaagagacag aggaggagcc acgatttatt 60
 cctacaaga ttgtagttcc gtgttgcttt tgtgattcca agcttcgact tatagtggtt 120
 gcaactc 127
 <210> 1869
 <211> 64
 <212> DNA
 <213> Human papillomavirus type 9
 <400> 1869
 gcaagacttc gtttatacgt gcttgctaca aatttaggaa ttcgagcgca acaggaactt 60
 ttgc 64
 <210> 1870
 <211> 65
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 1870
 aactacatt tctcagaacc aaaaatttct aaataaagat ttttctatg aaattcataa 60
 agtgt 65
 <210> 1871
 <211> 78
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1871
 gagataagt tcataagttt attttattat catttcaa attttgattt cttttctaa 60
 atttgtgaaa ttttttc 78
 <210> 1872
 <211> 131

<212> DNA
 <213> Camelpox virus
 <400> 1872
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 gatagaataa t 131
 <210> 1873
 <211> 100
 <212> DNA
 <213> Cercopithecine herpesvirus 7
 <400> 1873
 acaaagcatt tccacaactg ctgggtttac atgggaaaca aagcattcc acaactgctg 60
 ggtttacatg ggaaacaaag catttcacac actgctgggt 100
 <210> 1874
 <211> 95
 <212> DNA
 <213> Human papillomavirus type 84
 <400> 1874
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 ccgtccagtt aggctggcgg tgctttgtgg agtgg 95
 <210> 1875
 <211> 62
 <212> DNA
 <213> Human herpesvirus 5
 <400> 1875
 ggcggtggcg atcaaaaggc gcgtatgaga aaccgtttat agagtgtaat agaatcacgc 60
 tc 62
 <210> 1876
 <211> 61
 <212> DNA
 <213> Bovine adenovirus B
 <400> 1876
 ggctcgtcga agttactgat ggaacaacaa gcgccgccca acttcaaatt tccagccgac 60
 c 61
 <210> 1877
 <211> 82
 <212> DNA
 <213> Pepper mottle virus
 <400> 1877
 tgatgtggtc tctgggatga aatattatta tatgtagtat gcaatatata gtatggcttt 60
 tctcgttcca gtctttatat ta 82
 <210> 1878
 <211> 92
 <212> DNA
 <213> Fowlpox virus
 <400> 1878
 ctgttctacg gaattaacaa ctcgtgaata taaagataca acattcagta taagaaaata 60
 agaagcacag ttatatcatt gcgtagcaac ag 92
 <210> 1879
 <211> 131

<212> DNA
 <213> Rat cytomegalovirus
 <400> 1879
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 gacctacgag ggtcagggtg agaggaagtt gatatgcaga tgtggtctga cacgtaggta 120
 gaggctata t 131
 <210> 1880
 <211> 86
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 1880
 tgtaatcat caatccgta cggaaacaaa ttatcattt tataaaaatg gttgtggtt 60
 tctgttagg gttacctta ttaaca 86
 <210> 1881
 <211> 122
 <212> DNA
 <213> Mouse parvovirus 1
 <400> 1881
 atcatttta gaactgacca accatgttca cgtaagtac gtgatgacgc gcgcttcgcg 60
 cgctgcctgc ggcagtcaca cgtaactac gtctacatg gttggtcagt tctaaaaatg 120
 at 122
 <210> 1882
 <211> 90
 <212> DNA
 <213> Y73 sarcoma virus
 <400> 1882
 gaccgtgat tccctgacga ctacgagcac ctgaatgaag cagaaggctt catttggtga 60
 ccccgacgtg atcgtaggg aatagtggc 90
 <210> 1883
 <211> 95
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 1883
 gcccgacgtc agtcagtcac ctgaggcggg gagccacaca gcccggggtg aggagcggag 60
 gtgagcgagg gacggcgtag gtggcgacgg tgggc 95
 <210> 1884
 <211> 127
 <212> DNA
 <213> Sheeppox virus
 <400> 1884
 aacttattat tgtagatga cgaaataact gatagacct cttcggata tatgtgaatc 60
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 attagtt 127
 <210> 1885
 <211> 71
 <212> DNA
 <213> Equine herpesvirus 1
 <400> 1885
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 atatcaagcc c 71

<210> 1886
 <211> 92
 <212> DNA
 <213> Canine adenovirus
 <400> 1886
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 gcctgttcta tgtataacct tgactagatg tg 92
 <210> 1887
 <211> 64
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 1887
 tattttgaaa gatatgagta aaatatttaa tgaaataagt aacttatta ataatttcaa 60
 aata 64
 <210> 1888
 <211> 88
 <212> DNA
 <213> Human herpesvirus 7
 <400> 1888
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 taatagtatt tatttttcat ggttttta 88
 <210> 1889
 <211> 96
 <212> DNA
 <213> Ovine adenovirus A
 <400> 1889
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 gtaggagtgg tttctgtat aagtactagc tcaggt 96
 <210> 1890
 <211> 76
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 1890
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 tctttttgc gtctcc 76
 <210> 1891
 <211> 70
 <212> DNA
 <213> Fowlpox virus
 <400> 1891
 ggatagctct gcgcagctat accccactta ataaattata ccgcgcagag tataaaagat 60
 tatattatcc 70
 <210> 1892
 <211> 63
 <212> DNA
 <213> Lumpy skin disease virus
 <400> 1892
 attgttatt aatgaataa aattagattc atctatatct tcttactca tttaaaaact 60
 tat 63
 <210> 1893

<211> 60
 <212> DNA
 <213> Vaccinia virus
 <400> 1893
 aaataaaatt ctgattggc aatgtgaatg tattcactta acagtccac aaatttatt 60
 <210> 1894
 <211> 115
 <212> DNA
 <213> Equine herpesvirus 1
 <400> 1894
 gtggtgggag tgggcgtggt atgcgggggt tctttgttta aattgggccc aggcggatca 60
 gtgccagttt tgtttgcatt gggggcctgt gcggcacgac acactcctca attgc 115
 <210> 1895
 <211> 70
 <212> DNA
 <213> Equine herpesvirus 4
 <400> 1895
 ctaccaatct tcaaatatcg ccatttaac agtacaaaac taggggggtat ggcggttttg 60
 aagctcgtag 70
 <210> 1896
 <211> 60
 <212> DNA
 <213> Variola virus
 <400> 1896
 aaataaaatt ctgattggc aatgtgaatg tattcactta acaattccac aaatttatt 60
 <210> 1897
 <211> 91
 <212> DNA
 <213> Gallid herpesvirus 3
 <400> 1897
 ggcgcgccaa taggtaggga tggatctacg tatgtcaatg gaggccgtat aaagcttcaa 60
 taatacgttc cctaaaatgc tgtgtccgc c 91
 <210> 1898
 <211> 64
 <212> DNA
 <213> Simian immunodeficiency virus
 <400> 1898
 gggaatacag acatcattgg caggtgcaat ggcagttttg gacctacagc cagttcatta 60
 tccc 64
 <210> 1899
 <211> 63
 <212> DNA
 <213> Sorghum chlorotic spot virus
 <400> 1899
 ggcgctacag atgtaattga cgaaagatct gtatttgtct atgatgggat gtggtggggt 60
 gcc 63
 <210> 1900
 <211> 70
 <212> DNA
 <213> Canine adenovirus

<400> 1900
 acagaaaatc cgcaggagat tccagcattg ttccaagctg tctaacaaaa tcttcctcat 60
 aatgaactgt 70
 <210> 1901
 <211> 83
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1901
 acgtcgagcc cgcgttgggg catatcacgc tactgtacag ctctgcacta agcactttat 60
 actctcaccg gcacgttcga cgt 83
 <210> 1902
 <211> 69
 <212> DNA
 <213> Monkeypox virus
 <400> 1902
 tagtcacgac tgaaataacc gcgtgattat ttttggtat aattctacac ggcattggtt 60
 ctgtgacta 69
 <210> 1903
 <211> 106
 <212> DNA
 <213> Rat cytomegalovirus
 <400> 1903
 gagagagaaa gagacagaga gacgcgagac gaaagagacc acgggacgcc acacgaccac 60
 gtttttatct tttttattc tgcgttttt atccgctttc ttttt 106
 <210> 1904
 <211> 61
 <212> DNA
 <213> Human papillomavirus type 4
 <400> 1904
 ttgataatg atagacagaa tgcaatgctg tacacaaatt gggactttt atattatcaa 60
 g 61
 <210> 1905
 <211> 108
 <212> DNA
 <213> Canine adenovirus
 <400> 1905
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 aagttgagag tgacaaacca cttaaagggt taagccaggc ttgtttt 108
 <210> 1906
 <211> 76
 <212> DNA
 <213> Variola virus
 <400> 1906
 gattatttt tggtataatt ctacacggca tagtttctgt aactatgaat tctacccccg 60
 ttacatttgt ataatc 76
 <210> 1907
 <211> 67
 <212> DNA
 <213> Rat cytomegalovirus
 <400> 1907

catgggatcc gggtcgtaat cgcgctatcg tcttcgtaaa gggtgtcggt acgaacatat 60
cccgatg 67
<210> 1908
<211> 96
<212> DNA
<213> Tupaia herpesvirus
<400> 1908
gacgattcac ctacctggcg ttgcagcggt attacggata cggatcggat accgaatggc 60
tagctgccac ctccgccctc gtcggtcgag tcagtc 96
<210> 1909
<211> 101
<212> DNA
<213> Macaca mulatta rhadinovirus
<400> 1909
cccttccga gcgagtgcgg ttctcacat gccgtgagca aacgaaaacg ctacacataa 60
taagacacgt gtgagaggaa aactttattg cagggacagg g 101
<210> 1910
<211> 130
<212> DNA
<213> Cowpox virus
<400> 1910
acgaaaaatg atgaaggcaa tcattcctca taagatgata aaaagtaagg tgtgtgtgtg 60
tgtgtgtgtg tgataaaaag ttagtgagt gagagtatta gtgagtgagt gtagtgtga 120
gtgagtgagt 130
<210> 1911
<211> 66
<212> DNA
<213> Bovine parvovirus
<400> 1911
cttggtatag aaacatgatg tatcacttg ccttgggggg tgattgtgaa aaatgtaatt 60
actggg 66
<210> 1912
<211> 70
<212> DNA
<213> Porcine adenovirus A
<400> 1912
tgtgttctcc tccgcccgt tgtgcagcac cacctcccgc tgctcgagct gaggatccgt 60
gatggacaca 70
<210> 1913
<211> 78
<212> DNA
<213> Cowpox virus
<400> 1913
gtcgttctcg ttcagaatct ttgcagcat aagtagtatg tcgatatact tatcgttgaa 60
gactctcca gagacgat 78
<210> 1914
<211> 83
<212> DNA
<213> Human herpesvirus 4
<400> 1914

cctacgcgag gctgaacctc ctgaatcact gcacttttct tgaggcggtt aaagaagaga 60
atagtggcca gggcctcggt ggg 83
<210> 1915
<211> 83
<212> DNA
<213> Turkey adenovirus 3
<400> 1915
ctgtacctgc tcctacagtt tctgctgtac cagtacctgc tgctcctgta gctgtagctg 60
ctaagagacg tagagtaggt tag 83
<210> 1916
<211> 76
<212> DNA
<213> Peanut chlorotic streak virus
<400> 1916
ggataaaacg aatctttagt atgagctatt atagaagtag aataatagaa acaatacaac 60
gagaaataga ttgtct 76
<210> 1917
<211> 64
<212> DNA
<213> Paramecium bursaria Chlorella virus 1
<400> 1917
ctccatattt taccattgac aaactcacat ctactgtaag gtcaaaagat ggtaaaatca 60
cgag 64
<210> 1918
<211> 66
<212> DNA
<213> Paramecium bursaria Chlorella virus 1
<400> 1918
gtattataca tatatctggt gatatgattg tcactttacc atatcaacaa tatatagttt 60
taatat 66
<210> 1919
<211> 67
<212> DNA
<213> Trichomonas vaginalis virus 3
<400> 1919
gcgccgcgag ggtaggtggt cgatagccccg ttgacggag tagcgatatt cctgattctg 60
gtgtagc 67
<210> 1920
<211> 82
<212> DNA
<213> Porcine adenovirus A
<400> 1920
tccaacaact gtttatgtaa aggaaaataa agactcagag aaaatccaag ttcatatgat 60
tttctttta ttgattgggg ga 82
<210> 1921
<211> 116
<212> DNA
<213> Tupaia paramyxovirus
<400> 1921
tttctatta tatatcaatt aatgactatc ttaactttat agagctttca tactatcgca 60

attatatatc atgaatcatt tataaaggat gtgcatgaat aaaccaatta aagaaa 116
 <210> 1922
 <211> 74
 <212> DNA
 <213> Myxoma virus
 <400> 1922
 cgatagaggg atttagagac ctttctcca cgtagaacg acgacgtaag gacgaaaggg 60
 aggtttcttt ttcg 74
 <210> 1923
 <211> 74
 <212> DNA
 <213> Cowpox virus
 <400> 1923
 ttagtggtgg aattattagt attctcttg tcactctgtt cagaaatata caacaatgct 60
 atacctaata ctaa 74
 <210> 1924
 <211> 70
 <212> DNA
 <213> Human papillomavirus type 48
 <400> 1924
 gtagaatgtt tacattatta atactgtgaa tcaaacaaac tgtgatcaat aaacactgtg 60
 aatattttac 70
 <210> 1925
 <211> 64
 <212> DNA
 <213> Gallid herpesvirus 2
 <400> 1925
 atatgttaat tggaatatac actgctatag ttacggggca ttcgaaaata atcctaacac 60
 atat 64
 <210> 1926
 <211> 102
 <212> DNA
 <213> Human herpesvirus 7
 <400> 1926
 gcgcggcact caatcggtac tggaggctgc ttctgggacg acacaagctc agtttggtat 60
 gcaactacgt cacagctcat cgccaacagt tactgccgct gc 102
 <210> 1927
 <211> 79
 <212> DNA
 <213> Human herpesvirus 1
 <400> 1927
 tatgttcttt tttattggg aggcgcgggt aggcgggtag cttacaatg caaaagcctt 60
 cgacgtggag gaaggcgtg 79
 <210> 1928
 <211> 101
 <212> DNA
 <213> Human herpesvirus 1
 <400> 1928
 ggtccgtttt gtcacgggaa aggaaagagg aaacaggccg cggacacccg ggggagtttg 60
 tgtccctttt tctttctcc cacacacaca aaaggcgtac c 101

<210> 1929
 <211> 72
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1929
 gtggtttcta ctcaaaagct cgaacaacgc ctcgggaaag acccacgtat ttacgcttg 60
 agaaaatacc ac 72
 <210> 1930
 <211> 76
 <212> DNA
 <213> Feline calicivirus
 <400> 1930
 tgagcaaagg gtacaaggcc caatccaatc cgttcgctt gcgcgcgcgg ctggatttag 60
 ggttgaccct tactca 76
 <210> 1931
 <211> 65
 <212> DNA
 <213> Eimeria brunetti RNA virus 1
 <400> 1931
 tagggttctg ctattcagac gtacgcacat taagtgtagt aggccgtcat gtggtggtaa 60
 gccta 65
 <210> 1932
 <211> 76
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1932
 catggcctgt gtaactagcc ttctagtga agttaccgaa aacgcatttc actagaacgc 60
 tggttcagag gctatg 76
 <210> 1933
 <211> 66
 <212> DNA
 <213> Pea enation mosaic virus-2
 <400> 1933
 gggaagccgg ggagtcacca acccaccctg aatcgacagg gcaaaaaggg aagccgggca 60
 ccgccc 66
 <210> 1934
 <211> 103
 <212> DNA
 <213> Gallid herpesvirus 2
 <400> 1934
 gaaacaagca atatattctt aagttatagg tacgtcaaac cacatcaagg tatatcccct 60
 ctctttataa actgtacaat catactcata tattgtagg atc 103
 <210> 1935
 <211> 80
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1935
 atagtaaaac ctcccgaatc tcagtctctc gaagcgtggg tctgccagcg tccatgcctc 60
 gggagctcga aggggtgctat 80
 <210> 1936

<211> 82
 <212> DNA
 <213> Human papillomavirus type 19
 <400> 1936
 gatacgggcg cggtagaag ttactcattc ggtgcttggt gttgccaaca atcagcgta 60
 tgaacttggt tctgcctgta tc 82
 <210> 1937
 <211> 91
 <212> DNA
 <213> Human papillomavirus type 23
 <400> 1937
 acatttggtg gcaagaaaag agcaccgata acggtaagaa cttttatatt ttgaccgtag 60
 gcgttcattt actaaccttg gcaacaattg t 91
 <210> 1938
 <211> 62
 <212> DNA
 <213> Human papillomavirus type 36
 <400> 1938
 tgctatattc aagtttttgc ctgtatcgtt ttctgtatcat gtgaataata tactgtatag 60
 ta 62
 <210> 1939
 <211> 60
 <212> DNA
 <213> Aleutian mink disease virus
 <400> 1939
 ttaaagtaac ctaacacccat aacactttac ttctcttgta cttatgttac ttactttag 60
 <210> 1940
 <211> 90
 <212> DNA
 <213> Banana mild mosaic virus
 <400> 1940
 gaagttaatg gaaatagggc gtttgtagg ggttggtgaaa taaacgaaca actggcttca 60
 gtgattagag agctcaaacc agttaagttc 90
 <210> 1941
 <211> 70
 <212> DNA
 <213> Human papillomavirus type 25
 <400> 1941
 gtgttatata tatatatata tatatatata tatatatatt atatatatat 60
 acgtagacac 70
 <210> 1942
 <211> 67
 <212> DNA
 <213> Human papillomavirus type 20
 <400> 1942
 gtgattaata tatatatata tatatatata tatatatata tatatatata 60
 gatacat 67
 <210> 1943
 <211> 72
 <212> DNA

<213> Human papillomavirus type 49
 <400> 1943
 gcggtcacat tatacttagt catctcttgt gggtgttaac aacaatcttg aaacagatat 60
 acatgtaacc gc 72
 <210> 1944
 <211> 79
 <212> DNA
 <213> Human papillomavirus type 9
 <400> 1944
 acgtagggtgg ttattgatc gttgggatga ttgtggtaa caacaatcta catacacatt 60
 ttcatatgac cgccttcgt 79
 <210> 1945
 <211> 70
 <212> DNA
 <213> Vaccinia virus
 <400> 1945
 gtaatactat ctataaacat aagtatataa taaatacttt ttattacgg tactcttgta 60
 gtggtgatac 70
 <210> 1946
 <211> 61
 <212> DNA
 <213> Human herpesvirus 4
 <400> 1946
 gcaattgcc taacatggag gattgaggac ccaccttta attctctct gttgcattg 60
 c 61
 <210> 1947
 <211> 67
 <212> DNA
 <213> Human herpesvirus 1
 <400> 1947
 tgtccttact ccgtcttggg ggggtgggtgg ctgtgtatgg cgtcccatct gtgcggggag 60
 gggggca 67
 <210> 1948
 <211> 81
 <212> DNA
 <213> Meleagrid herpesvirus 1
 <400> 1948
 tgaccagtga acaatttgt taatgttagt ttattcaatg cattgggtgc aaatattcat 60
 tacttctcca atcccaggtc a 81
 <210> 1949
 <211> 122
 <212> DNA
 <213> Porcine adenovirus C
 <400> 1949
 gatctttccc acgttgatg ccacttcca gcagagccgc ggagtagaca gcaacctcaa 60
 ggtaaaaac agatcactc gctctctcac caaaagctgc ttgtatcaca accaggaatc 120
 tc 122
 <210> 1950
 <211> 87
 <212> DNA

<213> Fowl adenovirus A
 <400> 1950
 gtcgtacacc cggctgacga gaaacacgct tcgggggtgg accagggctg gttcttcccg 60
 aacgaggaca tagtcagcgg tgatgac 87
 <210> 1951
 <211> 130
 <212> DNA
 <213> Cowpox virus
 <400> 1951
 attcaacttg ttaaattaat aatggatagt taaaatagt tattagtagt aataagatag 60
 ttaaaatag ttattagtag taataagata gtttaaata gttattagta gtaataagat 120
 agtttaaata 130
 <210> 1952
 <211> 114
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 1952
 gtcgaggaac acgcccccg accccgtata aggccggcgg gcgcctcgga cttcttctt 60
 ttggcgagg aacacgcccc cggaccccg ataaggccgg cgggtgcctc ggac 114
 <210> 1953
 <211> 63
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 1953
 gatcgtcttt ttggctgtga agtcctcaa taaatactag tgaactcatt gcctccggct 60
 gtc 63
 <210> 1954
 <211> 76
 <212> DNA
 <213> Cercopithecine herpesvirus 7
 <400> 1954
 atgcaatatt actaatatt tcacacgctt atatacctat tggacaatgt tgtatatccc 60
 acccctaata ttgcat 76
 <210> 1955
 <211> 65
 <212> DNA
 <213> Fowlpox virus
 <400> 1955
 agttctatta cattgctagc tacttgtagg aatgctaaag tacttataga attagatata 60
 gaact 65
 <210> 1956
 <211> 116
 <212> DNA
 <213> Ophiostoma mitovirus 3a
 <400> 1956
 cttagagact actttgtctt tcaaatatga ctactccctc tcatccattg gtctgttaa 60
 ccaatgtggg gatgatagg aagatgcaaa tttaaaggct tatgtatata tctaag 116
 <210> 1957
 <211> 126
 <212> DNA

<213> Cercopithecine herpesvirus 7
 <400> 1957
 actggaatgt actgggatgt actaagggcg tggttgttt acatttttaa cacaaaataa 60
 aagtcttgtt catgtgactt tgtataattt actaccaacc tttaaattgt tcatattata 120
 aaaagt 126
 <210> 1958
 <211> 64
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 1958
 gctggcacgg ccggcgccgc gcaagatgac gacgggagag gttgcgcggg gcaggcagtg 60
 ccgc 64
 <210> 1959
 <211> 72
 <212> DNA
 <213> Fowlpox virus
 <400> 1959
 atgcgagaat gtataaagaa tataatacta aactttgctc tagtagacat actgatattc 60
 attatacacg at 72
 <210> 1960
 <211> 91
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 1960
 ttgacgataa acctatagag ttgcttagc attaataaat gtaaaactat atagtatata 60
 ttattaccg ttgattgtaa taatacgtca a 91
 <210> 1961
 <211> 82
 <212> DNA
 <213> Clover yellow vein virus
 <400> 1961
 gcaagttaca caaacaagc aaagtaagcc aacagtttc tgtaagatca ttcagtttc 60
 gtctttcttt aatcgactt gc 82
 <210> 1962
 <211> 70
 <212> DNA
 <213> Ovine adenovirus A
 <400> 1962
 tggaagagat ttctaacgc cgcgactaaa gagctgtggt aaaagacttt aacgtgcgtg 60
 ccgtcttcta 70
 <210> 1963
 <211> 91
 <212> DNA
 <213> Sugarcane striate mosaic associated virus
 <400> 1963
 cttttatcac cggctgcact gatcaaaagt ggttggtatc tgcaatcaaa cacctgagac 60
 cagacaatca aagatcaggt tggtttagaa g 91
 <210> 1964
 <211> 130
 <212> DNA

<213> Rat cytomegalovirus
 <400> 1964
 gatataattt tatgtatgtg gagtggaagc ggagcgtgat atattgcat gtgaagcaga 60
 ggcggtatgag ccgggttgga tatccaatca attgagtact gtggcctttt aaatatggga 120
 atgttatgtc 130
 <210> 1965
 <211> 85
 <212> DNA
 <213> Variola virus
 <400> 1965
 ttagtattaa ttgctaccgt tacattgtac aaatggagat attccctgta ttggcattt 60
 ctaaaattag caattttatt gctaa 85
 <210> 1966
 <211> 76
 <212> DNA
 <213> Apple chlorotic leaf spot virus
 <400> 1966
 agagtataaa gagtcatggt atttaattgg agtgtttaga ctataataa atagcctgta 60
 gacttttaaa tathtt 76
 <210> 1967
 <211> 85
 <212> DNA
 <213> Human respiratory syncytial virus
 <400> 1967
 tgctctacca tcatgtgtg tcaaattata atcctgtata tataaacaaa caaatccaat 60
 cttctcacag agtcatgggtg tcgca 85
 <210> 1968
 <211> 83
 <212> DNA
 <213> Apple latent spherical virus
 <400> 1968
 ttctttctt ctttgaact agtttgtct cgtgatcctt ggatccgta aggtttcttg 60
 ctggttcttc ctaaatga gaa 83
 <210> 1969
 <211> 67
 <212> DNA
 <213> Cercopithecine herpesvirus 7
 <400> 1969
 caatttaata ctagttgtac attccatgta atacttatt atatagacgt tttaaattag 60
 ttattg 67
 <210> 1970
 <211> 80
 <212> DNA
 <213> Cherry necrotic rusty mottle virus
 <400> 1970
 actgaaacc tcattcacat agcttaggtt ttaggcact ccaatttgaa tattattga 60
 gtgtgtgtga gcttcaagt 80
 <210> 1971
 <211> 69
 <212> DNA

<213> Human herpesvirus 5
 <400> 1971
 gccaaaagtt gcggtgtctga gtggacgtgg gttttatag agtcgtccta agcgcggtgcg 60
 gcgggtggc 69
 <210> 1972
 <211> 96
 <212> DNA
 <213> Tobacco etch virus
 <400> 1972
 ctttaagct tattgtaata tatatgaata gctattcaca gtgggacttg gtcttgtgtt 60
 gaatagtatc ttatatatt taatatgtct tattag 96
 <210> 1973
 <211> 60
 <212> DNA
 <213> Sulfolobus virus SIRV-1
 <400> 1973
 aatagtttg tgtattacat tatatagtat aatatatagt atataattc cgggattatt 60
 <210> 1974
 <211> 80
 <212> DNA
 <213> Human papillomavirus type 15
 <400> 1974
 gtgactaaac cgcataggtc attgccaaca accgcacccg gtaatacaga tataaaatgc 60
 acctggtgcg attttatcac 80
 <210> 1975
 <211> 86
 <212> DNA
 <213> Common chimpanzee papillomavirus 1
 <400> 1975
 taacgtgtag tttgatgat ggtgacacat ggtgtgtgtt atggcttta gcatcactta 60
 ttgttgctat ttaggggta ctgtta 86
 <210> 1976
 <211> 85
 <212> DNA
 <213> Human herpesvirus 3
 <400> 1976
 tgttcagtct aaaaataatg ttgggtattt ataattaccg cccccgtgtt acttggaac 60
 accatacat atgtccact ctaca 85
 <210> 1977
 <211> 74
 <212> DNA
 <213> Acute bee paralysis virus
 <400> 1977
 tcgcaacaca acatgggttac ccatagattg aggaaattc caataaactc agtattaagg 60
 cttgttgtgt tgga 74
 <210> 1978
 <211> 80
 <212> DNA
 <213> Gallid herpesvirus 2
 <400> 1978

gtagcactcg aaatttcaaa cggcatgtaa atacgaatgt ccttagaaag cgacgtttag 60
 cggctggtgt tcgatgtcac 80
 <210> 1979
 <211> 60
 <212> DNA
 <213> Fowlpox virus
 <400> 1979
 atcactcaag attacttact tctattttaa tgtatagatt aaaagggtat ttcgatgat 60
 <210> 1980
 <211> 124
 <212> DNA
 <213> Equine herpesvirus 2
 <400> 1980
 tgaagacccg agagaagagc ttacaaaaa acacaaaaaa acaaaaattt caataaaaaac 60
 aatttaaatt ttatttatct ttgtatgtgt gtctcttgca acccccaccc cttatagatc 120
 ttca 124
 <210> 1981
 <211> 91
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 1981
 ttggattatt catttttatg aactatgta ttacaaagc ttcgaaagt agtatattgt 60
 gcagacgtgg ttcttgggtt gttgtaaacg a 91
 <210> 1982
 <211> 67
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
 <400> 1982
 atgatattat cgatagttgt gataatgtgc tcttttattt tattaattgc gatgattata 60
 atattat 67
 <210> 1983
 <211> 91
 <212> DNA
 <213> Camelpox virus
 <400> 1983
 taggaaattg gtttataatg tataattttt ttagttttta tagattcttt attctatact 60
 taaaaaatga aaataaatac aaagggtcct g 91
 <210> 1984
 <211> 75
 <212> DNA
 <213> Potato virus Y
 <400> 1984
 tgctaagttt cagtttaaatt catttccttg caattctcta gaacaatatt ggaaaccatt 60
 tcaactcaac aagca 75
 <210> 1985
 <211> 67
 <212> DNA
 <213> African swine fever virus
 <400> 1985
 ttaagtctat tggcatggc ttaagtctat tactcatagc ttaactccat tactgatcat 60

gacttaa 67

<210> 1986

<211> 81

<212> DNA

<213> Human herpesvirus 6

<400> 1986

ttgtttaccg acgcgttcaa taaaacgaat ggtaaaagt tgtttttgt ttttttatt 60

ttcgtataaa atggtattta g 81

<210> 1987

<211> 63

<212> DNA

<213> Variola virus

<400> 1987

aagcgttatc aactgcgac gtgctgacaa aaccacggt ggtttgccg tgtgcattcg 60

ctt 63

<210> 1988

<211> 99

<212> DNA

<213> Equine rhinitis B virus

<400> 1988

tagcgaccaa atgcaacata aacttagaca atctatttat ctccatgact atcggaacag 60

acaaaattgt aaccactcg tttgctcct tcatcgcta 99

<210> 1989

<211> 96

<212> DNA

<213> Meleagrid herpesvirus 1

<400> 1989

gcttcgccgc ggcccgcgac cgcgcgctgc gcgcggtgcc gtggcggccg gcgatggtgg 60

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<210> 1990

<211> 131

<212> DNA

<213> Monkeypox virus

<400> 1990

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<211> 103

<212> DNA

<213> Vaccinia virus

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<211> 63

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<213> Vaccinia virus

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<211> 77

<212> DNA

<213> Ictalurid herpesvirus 1

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<211> 70

<212> DNA

<213> Equine rhinitis B virus

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<210> 1996

<211> 68

<212> DNA

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<211> 60

<212> DNA

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<212> DNA

<213> Rat cytomegalovirus

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 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
 <213> Marburg virus
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 <212> DNA
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 <212> DNA
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 aagactatcc acgtcacgtt tt 83
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 <212> DNA
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<210> 2043

<211> 61

<212> DNA

<213> Fowlpox virus

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<210> 2044

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<212> DNA

<213> Monkeypox virus

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gttgagactc gcctt 75

<210> 2045

<211> 84

<212> DNA

<213> Monkeypox virus

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tcctatattc ggaagtgaaa tgct 84

<210> 2046

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<212> DNA

<213> Simian immunodeficiency virus

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<210> 2047

<211> 118

<212> DNA

<213> Lymphocystis disease virus 1

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<212> DNA

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 <400> 2051
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 <213> Meleagrid herpesvirus 1
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 <212> DNA
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 <212> DNA
 <213> Meleagrid herpesvirus 1
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 <213> Murine adenovirus A
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 <212> DNA
 <213> Murine adenovirus A
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<213> African swine fever virus
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 <212> DNA
 <213> African swine fever virus
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Mouse mammary tumor virus
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 <212> DNA
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 <212> DNA
 <213> Aura virus
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 <212> DNA
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 <213> Ictalurid herpesvirus 1
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 <211> 78
 <212> DNA
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 <211> 63
 <212> DNA
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 <211> 77
 <212> DNA
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 <211> 94
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <212> DNA
 <213> Bean pod mottle virus
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 <210> 2212
 <211> 81
 <212> DNA
 <213> Bean pod mottle virus
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 <210> 2214
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 <212> DNA
 <213> Human papillomavirus type 63
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 <212> DNA
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 <210> 2216
 <211> 65
 <212> DNA
 <213> African swine fever virus
 <400> 2216
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 <211> 94
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 <210> 2220
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<212> DNA
 <213> Canine adenovirus
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 <211> 131
 <212> DNA
 <213> Aleutian mink disease virus
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 tatatatata a 131
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 <211> 64
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
 <213> Human adenovirus B
 <400> 2223
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 <213> Human herpesvirus 7
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 acaaaagttc tgtttgagt gtt 83
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 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 <213> Olive latent virus 2
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 <213> Paramecium bursaria Chlorella virus 1
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 <212> DNA
 <213> Camelpox virus
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 aaaaatatgg gggattt 77
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 <212> DNA
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 ggattttgcc 70
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 <212> DNA
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 gtcaatgggtg tactcgggtc acgagt 86
 <210> 2231
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 <212> DNA
 <213> Myxoma virus
 <400> 2231
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 ttaagagggt cgtca 75
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 <211> 69
 <212> DNA
 <213> Potato virus V
 <400> 2232
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 cattgggag 69
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 <211> 94
 <212> DNA
 <213> Grapevine virus A
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 <212> DNA

<213> Grapevine virus A
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 <211> 74
 <212> DNA
 <213> Gallid herpesvirus 3
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 <211> 100
 <212> DNA
 <213> Camelpox virus
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 <212> DNA
 <213> Human herpesvirus 7
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 <211> 80
 <212> DNA
 <213> Human herpesvirus 7
 <400> 2238
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 <211> 112
 <212> DNA
 <213> Rabbit fibroma virus
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 <212> DNA
 <213> Human herpesvirus 8
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 <212> DNA
 <213> Human adenovirus A

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 <212> DNA
 <213> Barmah Forest virus
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 <211> 77
 <212> DNA
 <213> Gallid herpesvirus 2
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 <211> 60
 <212> DNA
 <213> Vaccinia virus
 <400> 2244
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 <211> 66
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 2245
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 <210> 2246
 <211> 79
 <212> DNA
 <213> Tupaia herpesvirus
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 gcggggggcgg ggcgcgagc 79
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 <211> 87
 <212> DNA
 <213> Tupaia herpesvirus
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 aagtatagta gtatcacatc attggat 87
 <210> 2248
 <211> 62
 <212> DNA
 <213> Camelpox virus
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 ga 62

<210> 2249
 <211> 116
 <212> DNA
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 <211> 79
 <212> DNA
 <213> Dengue virus type 2
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 <212> DNA
 <213> Zaire Ebola virus
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 <212> DNA
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 <212> DNA
 <213> Gallid herpesvirus 3
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 <211> 64
 <212> DNA
 <213> Molluscum contagiosum virus
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 <211> 85
 <212> DNA
 <213> Rabbit fibroma virus
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 <211> 96
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 <213> Junonia coenia densovirus
 <400> 2257
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 <211> 84
 <212> DNA
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 <212> DNA
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 <211> 67
 <212> DNA
 <213> Triatoma virus
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 <210> 2261
 <211> 106
 <212> DNA
 <213> Triatoma virus
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 <211> 60
 <212> DNA
 <213> Sulfolobus virus SIRV-1
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<212> DNA
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 <400> 2263
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 <212> DNA
 <213> Fowlpox virus
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 <211> 84
 <212> DNA
 <213> Human herpesvirus 4
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 <211> 62
 <212> DNA
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 <211> 78
 <212> DNA
 <213> Vaccinia virus
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 <211> 127
 <212> DNA
 <213> Vaccinia virus
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 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 <212> DNA
 <213> Tupaia herpesvirus
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 <212> DNA
 <213> Horseradish curly top virus
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 <210> 2274
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 <211> 130
 <212> DNA
 <213> Equine herpesvirus 4
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 <211> 76
 <212> DNA
 <213> Rat cytomegalovirus
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 ctcgagggtc gtccgt 76
 <210> 2277

<211> 85
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 cttgggttt catcacaacg tcttg 85
 <210> 2278
 <211> 93
 <212> DNA
 <213> Horseradish curly top virus
 <400> 2278
 gttcccttct atgataatgg atttggcctt atggctgtcg gcaacaggcc tgccaaagta 60
 atcatcggcc cactcttgca tttctcggg gac 93
 <210> 2279
 <211> 93
 <212> DNA
 <213> Rat cytomegalovirus
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 cgtcatcctg aagctcgtcg tcggcgagtt cgc 93
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 <211> 116
 <212> DNA
 <213> Bovine herpesvirus 1
 <400> 2280
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 ctgcggccgc ccgaatcccc tcttcccct ccctcccctc cttccctcc ctcccc 116
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 <211> 120
 <212> DNA
 <213> Vaccinia virus
 <400> 2281
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 gtttatatt tttaactagt gtagaaaaca gagatagtaa atagatagtt ttccagatc 120
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 <211> 78
 <212> DNA
 <213> Turkey adenovirus 3
 <400> 2282
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 aggcgagccc atacatga 78
 <210> 2283
 <211> 60
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
 <400> 2283
 aatatagtac ctaaaggata ttattctcaa atacaagaac aagttcctga taattatatt 60
 <210> 2284
 <211> 92
 <212> DNA

<213> Amsacta moorei entomopoxvirus
 <400> 2284
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 attttatata taatatatta ttatatatt at 92
 <210> 2285
 <211> 61
 <212> DNA
 <213> Saimiriine herpesvirus 2
 <400> 2285
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 t 61
 <210> 2286
 <211> 64
 <212> DNA
 <213> Ateline herpesvirus 3
 <400> 2286
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 gtca 64
 <210> 2287
 <211> 89
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2287
 cgccgcctg tacgcggacc gatcaccaga aggcggacat tgggctgtgg ttcattgttc 60
 tggtttttgg actgtgttcg tggttggcg 89
 <210> 2288
 <211> 77
 <212> DNA
 <213> Ground squirrel hepatitis virus
 <400> 2288
 accgcggagc ttatagccgc ctgccttgct cgctgctgga caggagctcg gttgttgggc 60
 actgataact ccgtggt 77
 <210> 2289
 <211> 77
 <212> DNA
 <213> Saimiriine herpesvirus 2
 <400> 2289
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 ttgcagtat gtatatc 77
 <210> 2290
 <211> 68
 <212> DNA
 <213> Tupaia paramyxovirus
 <400> 2290
 acattgagta tctaaattat acaagtatta aaaatactag attgtgtag tttaaaata 60
 aataatgt 68
 <210> 2291
 <211> 66
 <212> DNA
 <213> Tupaia paramyxovirus

<400> 2291
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 ataagt 66
 <210> 2292
 <211> 75
 <212> DNA
 <213> Lumpy skin disease virus
 <400> 2292
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 atgatgttat tagtc 75
 <210> 2293
 <211> 61
 <212> DNA
 <213> Lumpy skin disease virus
 <400> 2293
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 t 61
 <210> 2294
 <211> 130
 <212> DNA
 <213> Goose parvovirus
 <400> 2294
 cgtgacttcc ggtcatgtga cttccggtga cgtgtttccg gctgttaggt tgaccacgcg 60
 catgccgcgc ggtcagccca atagttaagc cggaaacacg tcaccggaag tcacatgacc 120
 ggaagtcacg 130
 <210> 2295
 <211> 130
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 2295
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 aataaagata cattatatga aatattcca ctatttatga aaaatattaa taatgataat 120
 ataagtaatg 130
 <210> 2296
 <211> 62
 <212> DNA
 <213> Myxoma virus
 <400> 2296
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 gc 62
 <210> 2297
 <211> 100
 <212> DNA
 <213> Vaccinia virus
 <400> 2297
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 taatagcacg atcgtgggta acaatatgga aaaacttgac 100
 <210> 2298
 <211> 61
 <212> DNA

<213> Human herpesvirus 5
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 <210> 2299
 <211> 70
 <212> DNA
 <213> Ground squirrel hepatitis virus
 <400> 2299
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 tactgccttt 70
 <210> 2300
 <211> 79
 <212> DNA
 <213> Simian-Human immunodeficiency virus
 <400> 2300
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 tgttcctgc tagactctc 79
 <210> 2301
 <211> 61
 <212> DNA
 <213> Simian-Human immunodeficiency virus
 <400> 2301
 cacgcttgct tgcttaaagc cctcttcaat aaagctgcca tttagaagt aagctagtgt 60
 g 61
 <210> 2302
 <211> 85
 <212> DNA
 <213> Simian-Human immunodeficiency virus
 <400> 2302
 aagaccctgg tctgtagga ccctttctgc ttggggaaac cgaagcagga aaatccctag 60
 cagattggcg cctgaacagg gactt 85
 <210> 2303
 <211> 85
 <212> DNA
 <213> Human herpesvirus 8
 <400> 2303
 gcagctgggg tggaagtctg aaaaagggaa aggggaggtg agcagagtgc ccagtagtc 60
 tccgaccgcg cgtccgccct actgt 85
 <210> 2304
 <211> 87
 <212> DNA
 <213> A-2 plaque virus
 <400> 2304
 tatactatct gaagaatata taataactga tatagtatta tcagctatat catacaagga 60
 ttgttatata tttctaaaa atgtata 87
 <210> 2305
 <211> 126
 <212> DNA
 <213> Variola virus

<400> 2305
 tgagaatatt gatgatttt ttaagatga tatttacttt ttatatgctt gcattacaga 60
 ataatatcca cagggtattat taaaatgagt atcggagcta cattaccata tcatcatcca 120
 tgctca 126
 <210> 2306
 <211> 75
 <212> DNA
 <213> A-2 plaque virus
 <400> 2306
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 tctaacaaga aatct 75
 <210> 2307
 <211> 70
 <212> DNA
 <213> A-2 plaque virus
 <400> 2307
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 aagagttaga 70
 <210> 2308
 <211> 87
 <212> DNA
 <213> Ectromelia virus
 <400> 2308
 gtgagatagt catggagact acatcagatt acgaggatgt cgtttttact ttgtggatga 60
 tgaactatgt agccgtgact ccatcat 87
 <210> 2309
 <211> 129
 <212> DNA
 <213> Ectromelia virus
 <400> 2309
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 tgataaaatt aatgagatta tcgaggctat gagcgaagga gaccactaca tcaatcttac 120
 agaagtcca 129
 <210> 2310
 <211> 64
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 2310
 gttaatctca caactttact gttttgaac tgttcaaaat atagcataga tccgtgagaa 60
 atac 64
 <210> 2311
 <211> 62
 <212> DNA
 <213> Vaccinia virus
 <400> 2311
 catgtagtaa gtgtcgattg taataaggaa ctgatgccta ttaggacaga tactactatt 60
 tg 62
 <210> 2312
 <211> 60
 <212> DNA

<213> Vaccinia virus
 <400> 2312
 ctgtgtccaa ggtaaaatcg tgttgtgta gtttcacaa tgatccatc atagatatag 60
 <210> 2313
 <211> 98
 <212> DNA
 <213> Vaccinia virus
 <400> 2313
 gtcattcatt tagaatgggt gttgggcttt atcaagtga ttagtcagca tcagcatctg 60
 gctattatgt ttaaagatga caatattatt atgaagac 98
 <210> 2314
 <211> 68
 <212> DNA
 <213> Variola virus
 <400> 2314
 atggagatac aacgtgaaat actttattac tccattaaat aatgtatcac ttacgataat 60
 gtctctat 68
 <210> 2315
 <211> 73
 <212> DNA
 <213> Variola virus
 <400> 2315
 aagatgataa aaacacggtt attttatatg tcaaccatta ctaaaaaata tattgttctg 60
 ttttgttt ctt 73
 <210> 2316
 <211> 98
 <212> DNA
 <213> Frog adenovirus 1
 <400> 2316
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 ttttaggcat tttgataaa cattccccg ggttctta 98
 <210> 2317
 <211> 66
 <212> DNA
 <213> Frog adenovirus 1
 <400> 2317
 gagattgtac tattgtata cgcactctta ataaaagttt tgaataaaca attgagtact 60
 tgtttc 66
 <210> 2318
 <211> 65
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 2318
 aagtgatata aggggaatac acatgagtaa tcaaaacca gcacatactc tcctcgaatt 60
 cattt 65
 <210> 2319
 <211> 97
 <212> DNA
 <213> Cactus virus X
 <400> 2319

gcccttagtc atccatgctg tggccggtgc aggaaagacc accctgatta ggcaattct 60
 acaccaaac tcggccacga atgctcagac gctgggc 97
 <210> 2320
 <211> 69
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2320
 gaacagaaaa gggggagaat ttccgtaag acttacataa cgttctttc aaagcagttc 60
 ttctgttt 69
 <210> 2321
 <211> 63
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2321
 cgtgtcgcg cggcgacgcc ggcgcgggcg gccgaggacg gaccgttcg ccgctcgacg 60
 acg 63
 <210> 2322
 <211> 68
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 2322
 cccagcacat actctctcg aattcattc tcctaccagt tgtgagtcga cgaccatcg 60
 ctactggg 68
 <210> 2323
 <211> 90
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2323
 gttggatatc tttgtttgt cggatgtaa ttcgttgatt ttaacatgta aatagtgagg 60
 tttctgatg tgacgtctaa gatgtgaat 90
 <210> 2324
 <211> 92
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2324
 ctggcgccc tctcggtggc gcagagcctg ccgccgtcc ggctcccgtt cgacgcggcg 60
 gcggtcgggc gggcgtctcg ggcggacgtc gg 92
 <210> 2325
 <211> 122
 <212> DNA
 <213> Jembrana disease virus
 <400> 2325
 gctcccgctc agtctgtag tcctctagt tcgaatcctt ttgcatattc tctctccac 60
 tttcaaat caaagagggt ggactgtggg gagaaaggga acaggtgggg acgaccggga 120
 gc 122
 <210> 2326
 <211> 90
 <212> DNA
 <213> Woolly monkey sarcoma virus
 <400> 2326

gccgtcccga ttaaccgatt ccccgcaagg agcaccgcgg accacccgac cgcgagccga 60
 ctcttgaggt tcgttcctca ttccgacggc 90
 <210> 2327
 <211> 113
 <212> DNA
 <213> Pepper ringspot virus
 <400> 2327
 tgtaaaaaga aaatgcgagt gcaagaactg tggttggtt cctgcgatat cagttcaacc 60
 tgattacgtg gaagtctact tctgtgtgg catgaagcat ttacaaaagt gca 113
 <210> 2328
 <211> 79
 <212> DNA
 <213> Cowpox virus
 <400> 2328
 gtctccttaa agcttctgat ggtaactgtg ttacatgtgc tccgtcatac gtaaattgcct 60
 tcttaagcta ttggaaac 79
 <210> 2329
 <211> 65
 <212> DNA
 <213> Pepper ringspot virus
 <400> 2329
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 ccgga 65
 <210> 2330
 <211> 62
 <212> DNA
 <213> Pepper ringspot virus
 <400> 2330
 gcccccgctc gtcgcctctc cctttttcc cccctcaaa gaacgtggtg ttgggcgccg 60
 gc 62
 <210> 2331
 <211> 103
 <212> DNA
 <213> Fowlpox virus
 <400> 2331
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 ataatactta gtaataacct ttactctgtc tacgttgaaa gaa 103
 <210> 2332
 <211> 69
 <212> DNA
 <213> Camelpox virus
 <400> 2332
 tacgaaacac cgataaatta taaaagaagc agtgattccg ctgtttcagt taataatact 60
 attttcgta 69
 <210> 2333
 <211> 88
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 2333
 ctacgtacca cctataatca tctgtaggaa aatggaaggt atgtacatct atctactgtt 60

cctaatatca tatatggtgg tgtagtag 88
 <210> 2334
 <211> 93
 <212> DNA
 <213> Human adenovirus C
 <400> 2334
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 gaacattccc agctgctaca acaaacagag cga 93
 <210> 2335
 <211> 68
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 2335
 acttgattca aagtcgggat ttttcggtt gaatttcgta tcgacaaatt actgagttcg 60
 ttcaatgt 68
 <210> 2336
 <211> 66
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
 <400> 2336
 caatataaat aaattatctt ttattattc tttttaata taagttaaaa tttaccagt 60
 atattg 66
 <210> 2337
 <211> 77
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 2337
 tgttgagata tgtacattaa taaatatatt ccagaatcat ttttggtat attattatcc 60
 aaagtctatc cccaaca 77
 <210> 2338
 <211> 93
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
 <400> 2338
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 tttcaattt tatgattta tatataataa atg 93
 <210> 2339
 <211> 126
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 2339
 gccattctct acaaggtaaa gacccgaggag tctgtaagca tatagatgac ataatggtat 60
 cacaatgatc cgttcataa ttattagaaa atattccgg acagtcttta tcggattctt 120
 tattgc 126
 <210> 2340
 <211> 126
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
 <400> 2340
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cggctctaaac gataatgatt tgcaagggtc tcctgggtact attacgaatt ttttttagc 120
 ttcggg 126
 <210> 2341
 <211> 89
 <212> DNA
 <213> Cercopithecine herpesvirus 7
 <400> 2341
 gtcaggcatg ttgcgcata tataaaaaca tacaacatac acgtaattt ttggtgtta 60
 aaacaaattg tattgtacat gaaattgac 89
 <210> 2342
 <211> 63
 <212> DNA
 <213> Porcine adenovirus C
 <400> 2342
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 gcc 63
 <210> 2343
 <211> 104
 <212> DNA
 <213> Variola virus
 <400> 2343
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 tatataatcg ttctcctgg tgcatagtt gtagagggtca catc 104
 <210> 2344
 <211> 84
 <212> DNA
 <213> Lymphocystis disease virus 1
 <400> 2344
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 tttttataa atatctaaaa taac 84
 <210> 2345
 <211> 77
 <212> DNA
 <213> Variola virus
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 aactatgtaa gccagga 77
 <210> 2346
 <211> 63
 <212> DNA
 <213> Porcine adenovirus C
 <400> 2346
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 aga 63
 <210> 2347
 <211> 65
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2347
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cccgc 65
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 <211> 99
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2348
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 tctcatgatac tgactacctc tgacccgccca acgagaaaa 99
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 <211> 70
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2349
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 gggctgccct 70
 <210> 2350
 <211> 111
 <212> DNA
 <213> Vaccinia virus
 <400> 2350
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 aagtatttgg attcacggtg ggttacgact acctcagact ggtagagaat g 111
 <210> 2351
 <211> 82
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2351
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 ggggaccaca gggggagggg gg 82
 <210> 2352
 <211> 64
 <212> DNA
 <213> Vaccinia virus
 <400> 2352
 gtacgcgtgt cgattcatca aggtatataa acctggggat gaggctacct cgacatacgt 60
 gtgc 64
 <210> 2353
 <211> 68
 <212> DNA
 <213> Gallid herpesvirus 2
 <400> 2353
 gaccagtcag ccgcgaacgg aaataacgcc gaatcgagct cctctaattc cgataaccgg 60
 ctgttgtc 68
 <210> 2354
 <211> 76
 <212> DNA
 <213> Clover yellow mosaic virus
 <400> 2354
 ggcttgccc atcaactgct aaactgatta gggagacttt aaacatcccc ttagaaggca 60
 cgggagacgc cgagct 76

<210> 2355
 <211> 81
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 atggtaaatt acatttagaa a 81
 <210> 2356
 <211> 69
 <212> DNA
 <213> Human herpesvirus 5
 <400> 2356
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 ccggcctcc 69
 <210> 2357
 <211> 119
 <212> DNA
 <213> Spleen focus-forming virus
 <400> 2357
 ttacataagg ttttacaaa tattgacttg ttattatta acaaatggg acatataaca 60
 ctttcattaa atttaataata atatttattc aatatttttt tataatttaa cttatgtaa 119
 <210> 2358
 <211> 127
 <212> DNA
 <213> Spleen focus-forming virus
 <400> 2358
 gggtagacga aaacagctaa cgttggggcca aacaagatat ctgcggtaag cagtttcggc 60
 cccggccccg ggccaagaac agatgggtccc cagatatggc ccaaccctca gcagtttctt 120
 aagaccc 127
 <210> 2359
 <211> 82
 <212> DNA
 <213> Rice stripe virus
 <400> 2359
 atagaaaatc aaaaacaatg aatgggtgcta agcaccacat ccggatgtgg tgcgtagcac 60
 catttcata acattaatct at 82
 <210> 2360
 <211> 65
 <212> DNA
 <213> Rice stripe virus
 <400> 2360
 gagcagaaca aaccacatca agtgcatagc acaagatgtt agcatactcc ggaactgggt 60
 atctc 65
 <210> 2361
 <211> 76
 <212> DNA
 <213> Variola virus
 <400> 2361
 catattacaa aatcgattcc gtccaagatg ataaaaacat ttaccggcat cataaacacg 60
 gagtttattt tatatg 76

<210> 2362
 <211> 126
 <212> DNA
 <213> Monkeypox virus
 <400> 2362
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 tataaaattc tatattcaaa ttatcatgcg atgtgtatac gctaacggta tcaataaacg 120
 gagcac 126
 <210> 2363
 <211> 63
 <212> DNA
 <213> Monkeypox virus
 <400> 2363
 ggattcctaa tttaacatc aaaacttaaa gacactggat ctttagttaa ttcaatagct 60
 tcc 63
 <210> 2364
 <211> 82
 <212> DNA
 <213> Avian carcinoma virus
 <400> 2364
 gaaagggggc ccggggggatc tccccgcgg taactggta cagttgccgc ggacggagat 60
 catcccccg ttacccctt tc 82
 <210> 2365
 <211> 99
 <212> DNA
 <213> Avian carcinoma virus
 <400> 2365
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 ggtgaccccg acgtgacgt tagggaatag tggtcggcc 99
 <210> 2366
 <211> 60
 <212> DNA
 <213> Avian carcinoma virus
 <400> 2366
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 <210> 2367
 <211> 61
 <212> DNA
 <213> Hendra virus
 <400> 2367
 ctaaatagtt taatccaata aattgaggat aatcaattct tgcattgcat aaactcgta 60
 g 61
 <210> 2368
 <211> 79
 <212> DNA
 <213> Spleen focus-forming virus
 <400> 2368
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 aataccacca gctaaaacc 79
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<211> 88
 <212> DNA
 <213> Rice stripe virus
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 gggctgcggc cctaacccta accctagg 88
 <210> 2370
 <211> 60
 <212> DNA
 <213> Rice stripe virus
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 <210> 2371
 <211> 95
 <212> DNA
 <213> Spleen focus-forming virus
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 <213> A-2 plaque virus
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 <212> DNA
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 <212> DNA
 <213> Macaca mulatta rhadinovirus
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<212> DNA
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 <212> DNA
 <213> Reston Ebola virus
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 <211> 131
 <212> DNA
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 <212> DNA
 <213> Human papillomavirus type 47
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 <212> DNA
 <213> African swine fever virus
 <400> 2384
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 <211> 110
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 gaaatttta gctggctgca tatactact gaataatcat attattattg 110
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 <211> 130
 <212> DNA
 <213> Tupaia herpesvirus
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 cacacatgtc 130
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 <212> DNA
 <213> Tupaia herpesvirus
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 <212> DNA
 <213> Tupaia herpesvirus
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 <211> 83
 <212> DNA
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<211> 131
 <212> DNA
 <213> Potato virus Y
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 <212> DNA
 <213> Ectromelia virus
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 <212> DNA
 <213> Ectromelia virus
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 <211> 67
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 2394
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 tctggtc 67
 <210> 2395
 <211> 72
 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 2395
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 acggcagcgg cg 72
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 <211> 71
 <212> DNA
 <213> Molluscum contagiosum virus
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 <210> 2397

<211> 70
 <212> DNA
 <213> Human herpesvirus 6B
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 <210> 2398
 <211> 93
 <212> DNA
 <213> Tupaia herpesvirus
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 <211> 129
 <212> DNA
 <213> Bovine papillomavirus
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 gaaccataga catcgctacg agaactgcac caccacctgg ttcacagttg ctgacaacgg 120
 tgctgaaag 129
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 <211> 68
 <212> DNA
 <213> Bovine herpesvirus 4
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 <211> 70
 <212> DNA
 <213> Rana tigrina ranavirus
 <400> 2401
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 <211> 131
 <212> DNA
 <213> Alcelaphine herpesvirus 1
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 <211> 91
 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 <212> DNA
 <213> Human herpesvirus 6B
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 <211> 93
 <212> DNA
 <213> Vaccinia virus
 <400> 2406
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 <210> 2407
 <211> 127
 <212> DNA
 <213> Rana tigrina ranavirus
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 <211> 131
 <212> DNA
 <213> African swine fever virus
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 <211> 93
 <212> DNA
 <213> Porcine adenovirus C
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 <211> 108
 <212> DNA
 <213> Human papillomavirus type 36
 <400> 2410
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gaatgctcat tagcttttcg tcctacaatc agagaaggga tttgatg 108
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 <211> 61
 <212> DNA
 <213> Pea early browning virus
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 <210> 2412
 <211> 95
 <212> DNA
 <213> Oat golden stripe virus
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 ggcgtctcag ttttggttt tcgctacgtt agttg 95
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 <211> 104
 <212> DNA
 <213> Cowpox virus
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 gtatgatagt gtttttcaa aacatataaa tctaaaattg atgg 104
 <210> 2414
 <211> 60
 <212> DNA
 <213> Cowpox virus
 <400> 2414
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 <211> 66
 <212> DNA
 <213> Human papillomavirus type 32
 <400> 2415
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 <211> 117
 <212> DNA
 <213> Fowlpox virus
 <400> 2416
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 <212> DNA
 <213> Human papillomavirus type 60
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 acaa 124

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 <212> DNA
 <213> Vaccinia virus
 <400> 2418
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 <210> 2419
 <211> 68
 <212> DNA
 <213> Peanut bud necrosis virus
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 <210> 2420
 <211> 61
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <211> 95
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <211> 61
 <212> DNA
 <213> Human herpesvirus 6B
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 <212> DNA
 <213> Gallid herpesvirus 3
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 <211> 99
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 2424
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<212> DNA
 <213> Rabbit oral papillomavirus
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 <211> 60
 <212> DNA
 <213> Human papillomavirus type 28
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 <212> DNA
 <213> Human papillomavirus type 70
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 <210> 2428
 <211> 98
 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Human herpesvirus 5
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 <211> 60
 <212> DNA
 <213> Potato virus A
 <400> 2431
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 <210> 2432
 <211> 110
 <212> DNA
 <213> Monkeypox virus
 <400> 2432

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 <212> DNA
 <213> Influenza A virus
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 <210> 2434
 <211> 67
 <212> DNA
 <213> Chimpanzee cytomegalovirus
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 <211> 76
 <212> DNA
 <213> Rabbit oral papillomavirus
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 <211> 66
 <212> DNA
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 <211> 69
 <212> DNA
 <213> Human papillomavirus type 10
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 <211> 79
 <212> DNA
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 <212> DNA
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 <213> Rat cytomegalovirus
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 <211> 81
 <212> DNA
 <213> Grapevine fanleaf virus
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 gttgtaaaag ttgttgcca c 81
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 <211> 80
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 <213> Bean common mosaic necrosis virus
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 <211> 62
 <212> DNA
 <213> Rat cytomegalovirus
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 ag 62
 <210> 2444
 <211> 61
 <212> DNA
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 <400> 2444
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 <212> DNA
 <213> Equine herpesvirus 1
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 <211> 83
 <212> DNA
 <213> Bean common mosaic necrosis virus
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<210> 2447
 <211> 75
 <212> DNA
 <213> Infectious spleen and kidney necrosis virus
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 <212> DNA
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 <211> 63
 <212> DNA
 <213> Human papillomavirus type 50
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 <211> 96
 <212> DNA
 <213> Human papillomavirus type 48
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 <212> DNA
 <213> Human herpesvirus 3
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <212> DNA
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<211> 104
 <212> DNA
 <213> Fowlpox virus
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 <211> 60
 <212> DNA
 <213> Macaca mulatta rhadinovirus
 <400> 2455
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 <211> 68
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <211> 98
 <212> DNA
 <213> Gallid herpesvirus 2
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 <211> 64
 <212> DNA
 <213> Infectious spleen and kidney necrosis virus
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 ggtg 64
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 <211> 97
 <212> DNA
 <213> Human herpesvirus 7
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 <212> DNA
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<213> Infectious flacherie virus
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 <210> 2462
 <211> 62
 <212> DNA
 <213> Infectious flacherie virus
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 <212> DNA
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 <213> Sorghum mosaic virus
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 <212> DNA
 <213> Meleagrid herpesvirus 1
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<212> DNA
 <213> Meleagrid herpesvirus 1
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 <213> Meleagrid herpesvirus 1
 <400> 2470
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 <213> Lumpy skin disease virus
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 <212> DNA
 <213> Barmah Forest virus
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 <211> 88
 <212> DNA
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 <212> DNA
 <213> Lumpy skin disease virus
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 <212> DNA
 <213> Indian citrus ringspot virus
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 <211> 60
 <212> DNA
 <213> Equine herpesvirus 4
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 <210> 2482
 <211> 74
 <212> DNA

<213> Fowlpox virus
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 <212> DNA
 <213> Strawberry mild yellow edge virus
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 <212> DNA
 <213> Swinepox virus
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 <213> Bovine respiratory syncytial virus
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 <211> 131
 <212> DNA
 <213> Human herpesvirus 6B
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 tggcgcgatt t 131
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 <212> DNA
 <213> Myxoma virus
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<212> DNA
 <213> Rat cytomegalovirus
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 <212> DNA
 <213> Gallid herpesvirus 2
 <400> 2490
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 <212> DNA
 <213> Human herpesvirus 3
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 <210> 2492
 <211> 116
 <212> DNA
 <213> Ateline herpesvirus 3
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 <212> DNA
 <213> Molluscum contagiosum virus
 <400> 2493
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 <211> 116
 <212> DNA
 <213> Rice yellow stunt virus
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 <210> 2495
 <211> 98
 <212> DNA
 <213> Rice yellow stunt virus
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 <212> DNA

<213> Myxoma virus
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 <213> Tupaia herpesvirus
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 <212> DNA
 <213> Fowlpox virus
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 <211> 80
 <212> DNA
 <213> Equine herpesvirus 1
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 <213> Cercopithecine herpesvirus 7
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 <212> DNA
 <213> Bovine polyomavirus
 <400> 2501
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 <211> 122
 <212> DNA
 <213> Taura syndrome virus
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 ggtgcattta tctcaacagt ttccctaac cgcgcggtgc gcggcagggt tttactctg 120
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 <211> 130
 <212> DNA

<213> African swine fever virus
 <400> 2503
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 <211> 60
 <212> DNA
 <213> Human herpesvirus 1
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 <210> 2505
 <211> 63
 <212> DNA
 <213> Human papillomavirus type 49
 <400> 2505
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 cca 63
 <210> 2506
 <211> 130
 <212> DNA
 <213> Equine herpesvirus 4
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 <211> 62
 <212> DNA
 <213> Rabbit fibroma virus
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 <210> 2508
 <211> 124
 <212> DNA
 <213> Rabbit fibroma virus
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 <213> Rice yellow stunt virus
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 <212> DNA
 <213> Human herpesvirus 3
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 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <213> Porcine epidemic diarrhea virus
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 ttatacacct atagggcgcc tgta 84
 <210> 2514
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 <212> DNA
 <213> Plum pox virus
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 gtcga 65
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 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <213> Rat cytomegalovirus
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<213> Porcine adenovirus A
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 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 <213> Human herpesvirus 4
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 <211> 63
 <212> DNA
 <213> Lettuce mosaic virus
 <400> 2520
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 <212> DNA
 <213> Sulfolobus virus SIRV-2
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 <212> DNA
 <213> Turnip mosaic virus
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 <210> 2523
 <211> 131
 <212> DNA
 <213> Bovine parvovirus
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 <212> DNA

<213> Paramecium bursaria Chlorella virus 1
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 <211> 87
 <212> DNA
 <213> Human adenovirus C
 <400> 2525
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 gtccgccgtg atccatgcgg ttaccgc 87
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 <211> 60
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 <213> Human herpesvirus 6
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 <211> 124
 <212> DNA
 <213> Ictalurid herpesvirus 1
 <400> 2527
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 <212> DNA
 <213> Zucchini yellow mosaic virus
 <400> 2528
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 gaactgctt ttgca 75
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 <212> DNA
 <213> Black queen cell virus

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 <212> DNA
 <213> Molluscum contagiosum virus
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 <212> DNA
 <213> Yam mosaic virus
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 <212> DNA
 <213> Camelpox virus
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 <212> DNA
 <213> Chinese wheat mosaic virus
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 <211> 100
 <212> DNA
 <213> Taura syndrome virus
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<212> DNA
<213> Papaya ringspot virus
<400> 2539
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<210> 2540
<211> 64
<212> DNA
<213> Newcastle disease virus
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<210> 2541
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<212> DNA
<213> Chimpanzee cytomegalovirus
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<212> DNA
<213> Paramecium bursaria Chlorella virus 1
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<212> DNA
<213> Ictalurid herpesvirus 1
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<210> 2545
<211> 61
<212> DNA
<213> Rat cytomegalovirus
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<210> 2546

<211> 122

<212> DNA

<213> Periplaneta fuliginosa densovirus

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<210> 2547

<211> 69

<212> DNA

<213> Human herpesvirus 5

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cgtccgttt 69

<210> 2548

<211> 80

<212> DNA

<213> Equine herpesvirus 2

<400> 2548

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<210> 2549

<211> 85

<212> DNA

<213> Sulfolobus virus SIRV-2

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<210> 2550

<211> 65

<212> DNA

<213> Tobacco necrosis virus D

<400> 2550

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<210> 2551

<211> 100

<212> DNA

<213> Sulfolobus virus SIRV-2

<400> 2551

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<210> 2552

<211> 63

<212> DNA

<213> Human herpesvirus 5

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<213> Tupaia herpesvirus
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<212> DNA
<213> Mice minute virus
<400> 2556
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<212> DNA
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<213> Fowl adenovirus D
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gatccgccgt cggctgcc                                     78
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<212> DNA
<213> Ateline herpesvirus 3
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 ccggtccccg ctcccc 76
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 <211> 89
 <212> DNA
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 gaggaattgc cttagtcacg gatcgggggt 89
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 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 aaaaatatta ta 72
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 gttgat 66
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 <212> DNA
 <213> Cowpox virus
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 ttt 63
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 <212> DNA
 <213> Bovine herpesvirus 1
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 gccgcccc 68
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 <211> 101
 <212> DNA
 <213> Sheeppox virus
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 catttacagg ttaattggc tttttataa ttagatttaa a 101
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<211> 82
 <212> DNA
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 gagagaccaa ttagattcg ag 82
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 <212> DNA
 <213> Macaca mulatta rhadinovirus
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 tctgacc 67
 <210> 2569
 <211> 82
 <212> DNA
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 tctactggg gttctacag tg 82
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 <213> Swinepox virus
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 aatgcgagtg ttcgttttt tta 84
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 <212> DNA
 <213> Molluscum contagiosum virus
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 tcacgatcaa gacattctc ctccggggcg caag 94
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 <212> DNA
 <213> Equine herpesvirus 4
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 acaaaaaagg ggcagcagtc ttaatgtca cgggct 96
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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<212> DNA
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 atttaagggtg gttgaaatca 80
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 <211> 92
 <212> DNA
 <213> Rice ragged stunt virus
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 gccattggg gtcggggagt gatagagaag gt 92
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 <212> DNA
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 ataaatggag cgc 73
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 <213> Ovine adenovirus 7
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 caatttaatg tgtca 75
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 <212> DNA
 <213> Sonchus yellow net virus
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 atttatata 70
 <210> 2580
 <211> 102
 <212> DNA
 <213> Chimpanzee cytomegalovirus
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<213> Molluscum contagiosum virus

<400> 2581

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caccgacctg ttcgaaagag tgcgcgc 87

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<211> 85

<212> DNA

<213> Equine herpesvirus 4

<400> 2582

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<210> 2583

<211> 73

<212> DNA

<213> Rat cytomegalovirus

<400> 2583

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ggaccccgcg cgc 73

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<211> 72

<212> DNA

<213> Lettuce infectious yellows virus

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<210> 2585

<211> 93

<212> DNA

<213> Human herpesvirus 5

<400> 2585

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<210> 2586

<211> 68

<212> DNA

<213> Fowlpox virus

<400> 2586

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<210> 2587

<211> 72

<212> DNA

<213> Rat cytomegalovirus

<400> 2587

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<210> 2588

<211> 69

<212> DNA

<213> Molluscum contagiosum virus

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 <212> DNA
 <213> Murray Valley encephalitis virus
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 <210> 2590
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 <213> Vaccinia virus
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 tcaaaaaaat caa 73
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 <211> 78
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 aatttgattg ttattata 78
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 <212> DNA
 <213> Parvovirus H1
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 <211> 108
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
 <213> Human herpesvirus 8
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 <212> DNA
 <213> Rabbit fibroma virus
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 atagtttata 70
 <210> 2597
 <211> 82
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <210> 2598
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 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
 <213> Mouse parvovirus 1
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 <212> DNA
 <213> Lactate dehydrogenase-elevating virus
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 gatataagtg cac 73
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 <212> DNA
 <213> Rhopalosiphum padi virus
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 agttcgcttt actcgcaata gcta 84
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 <212> DNA
 <213> Zaire Ebola virus
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 <212> DNA
 <213> Human herpesvirus 8
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 <211> 72
 <212> DNA
 <213> West Nile virus
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 <212> DNA
 <213> West Nile virus
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 <213> Human herpesvirus 5
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 <212> DNA
 <213> Human herpesvirus 1
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 <211> 96
 <212> DNA
 <213> Zaire Ebola virus
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 caaaaaggag 70
 <210> 2612
 <211> 87
 <212> DNA
 <213> Equine herpesvirus 2
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 <212> DNA
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 <212> DNA
 <213> Nipah virus
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 <212> DNA
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 <212> DNA
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<212> DNA
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<212> DNA
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<210> 2619
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cagtatatta ggtctcgca 79
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<211> 102
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<213> Melanoplus sanguinipes entomopoxvirus
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<212> DNA
<213> Langat virus
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<211> 94
<212> DNA
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<212> DNA
<213> Molluscum contagiosum virus
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 <213> Mosquito cell fusing agent
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 <211> 87
 <212> DNA
 <213> Monkeypox virus
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 <210> 2628
 <211> 65
 <212> DNA
 <213> Tupaia herpesvirus
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 <210> 2632
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 <213> Variola virus
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 <212> DNA
 <213> Equine herpesvirus 1
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<211> 61
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 <210> 2639
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 <211> 93
 <212> DNA
 <213> Cowpea mottle virus
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 cagaacctgt agtaaatagt aaagttgttt aca 93
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 <212> DNA
 <213> African swine fever virus
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 <212> DNA
 <213> Rat cytomegalovirus
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 <212> DNA
 <213> Patchouli mild mosaic virus
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 <212> DNA
 <213> Molluscum contagiosum virus
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 <213> Chimpanzee cytomegalovirus
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 <212> DNA
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 <211> 63
 <212> DNA
 <213> Human herpesvirus 5
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 <212> DNA
 <213> Sonchus yellow net virus
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 <211> 64
 <212> DNA
 <213> Porcine reproductive and respiratory syndrome virus
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 <213> Lymphocystis disease virus 1
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<213> Human herpesvirus 1
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 <212> DNA
 <213> Sulfolobus virus SIRV-1
 <400> 2654
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 <212> DNA
 <213> Porcine reproductive and respiratory syndrome virus
 <400> 2655
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 <212> DNA
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 <211> 106
 <212> DNA
 <213> Rice grassy stunt virus
 <400> 2658
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<213> Simian-Human immunodeficiency virus
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 <210> 2660
 <211> 96
 <212> DNA
 <213> Strawberry mild yellow edge virus
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 <211> 120
 <212> DNA
 <213> Equine rhinovirus 3
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 <213> Paramecium bursaria Chlorella virus 1
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 <212> DNA
 <213> Human herpesvirus 1
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 <211> 74
 <212> DNA
 <213> Human herpesvirus 5
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 <210> 2666
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 <212> DNA
 <213> Macaca mulatta rhadinovirus

<400> 2666
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 gcggaaatct gcggt 75
 <210> 2667
 <211> 74
 <212> DNA
 <213> Pea seed-borne mosaic virus
 <400> 2667
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 <210> 2668
 <211> 96
 <212> DNA
 <213> African swine fever virus
 <400> 2668
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 <210> 2669
 <211> 62
 <212> DNA
 <213> Infectious spleen and kidney necrosis virus
 <400> 2669
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 gg 62
 <210> 2670
 <211> 93
 <212> DNA
 <213> Variola virus
 <400> 2670
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 <212> DNA
 <213> Murid herpesvirus 4
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 <212> DNA
 <213> Trichomonas vaginalis virus 3
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 <211> 76
 <212> DNA
 <213> Satellite virus of maize white line mosaic virus
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<213> Infectious spleen and kidney necrosis virus
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ggctac 66
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<211> 103
<212> DNA
<213> Trichomonas vaginalis virus 3
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<212> DNA
<213> Cowpox virus
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ttattacat ggatcatcag agggagaaa 89
<210> 2677
<211> 71
<212> DNA
<213> Lumpy skin disease virus
<400> 2677
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<211> 88
<212> DNA
<213> Amsacta moorei entomopoxvirus
<400> 2678
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<211> 113
<212> DNA
<213> Human herpesvirus 1
<400> 2679
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<211> 76
<212> DNA
<213> African swine fever virus
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 <212> DNA
 <213> Planococcus citri densovirus
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 <211> 62
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 <400> 2682
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 <212> DNA
 <213> Sulfolobus virus SIRV-2
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 <211> 107
 <212> DNA
 <213> Phocoena spinipinnis papillomavirus
 <400> 2684
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 <211> 114
 <212> DNA
 <213> Sulfolobus virus SIRV-1
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 <211> 70
 <212> DNA
 <213> Camelpox virus
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 <211> 78
 <212> DNA
 <213> Ictalurid herpesvirus 1
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 <211> 69
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 <210> 2689
 <211> 64
 <212> DNA
 <213> Cherry mottle leaf virus
 <400> 2689
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 tgct 64
 <210> 2690
 <211> 73
 <212> DNA
 <213> Little cherry virus
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 <211> 75
 <212> DNA
 <213> Human herpesvirus 3
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 <212> DNA
 <213> Human herpesvirus 5
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 <211> 88
 <212> DNA
 <213> Sida golden mosaic virus
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 <212> DNA
 <213> Porcine epidemic diarrhea virus
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<212> DNA
 <213> Molluscum contagiosum virus
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 <212> DNA
 <213> Cowpox virus
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 <211> 64
 <212> DNA
 <213> Bovine herpesvirus 4
 <400> 2697
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 ccgc 64
 <210> 2698
 <211> 65
 <212> DNA
 <213> Bovine herpesvirus 4
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 tctct 65
 <210> 2699
 <211> 77
 <212> DNA
 <213> Human coronavirus 229E
 <400> 2699
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 aaatttcatt tgggttg 77
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 <212> DNA
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 <212> DNA
 <213> Cowpox virus
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<212> DNA
 <213> Red clover mottle virus
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 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <211> 122
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 <212> DNA
 <213> Bovine coronavirus
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 <213> Aedes albopictus densovirus
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 <211> 64
 <212> DNA
 <213> Helminthosporium victoriae virus 190S
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 <211> 131
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 <210> 2711
 <211> 63
 <212> DNA
 <213> Human papillomavirus type 13
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 <211> 82
 <212> DNA
 <213> Fowl adenovirus D
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 <212> DNA
 <213> Fowl adenovirus D
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 <211> 84
 <212> DNA
 <213> Equine herpesvirus 1
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 atttttcta tagtagtgcg tgg 84
 <210> 2715
 <211> 74
 <212> DNA
 <213> Molluscum contagiosum virus
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<211> 77
 <212> DNA
 <213> Murine adenovirus A
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 cgtggtgcgt caggtga 77
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 <211> 63
 <212> DNA
 <213> Human papillomavirus type 12
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 agg 63
 <210> 2718
 <211> 65
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <210> 2719
 <211> 91
 <212> DNA
 <213> Common chimpanzee papillomavirus 1
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 <212> DNA
 <213> Human papillomavirus type 14
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 ttgccagaa gaggtcagag 80
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 <211> 65
 <212> DNA
 <213> Human papillomavirus type 47
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 ctctg 65
 <210> 2722
 <211> 79
 <212> DNA
 <213> Cercopithecine herpesvirus 7
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<212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <213> Pepper mottle virus
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 agaga 65
 <210> 2725
 <211> 92
 <212> DNA
 <213> Murid herpesvirus 4
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 <212> DNA
 <213> Tupaia herpesvirus
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 <212> DNA
 <213> Red clover mottle virus
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 <212> DNA
 <213> Cowpox virus
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 taatacactt acagc 75
 <210> 2729
 <211> 60
 <212> DNA
 <213> Cowpox virus
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 <212> DNA

<213> Human papillomavirus type 86
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 <210> 2731
 <211> 96
 <212> DNA
 <213> Ovine pulmonary adenocarcinoma virus
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 <211> 114
 <212> DNA
 <213> Human papillomavirus type 6
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 <211> 61
 <212> DNA
 <213> Cocksfoot streak virus
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 <210> 2734
 <211> 102
 <212> DNA
 <213> Monkeypox virus
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 tcagccttca gaggattttg accagcatgt ttaatatgaa aa 102
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 <211> 78
 <212> DNA
 <213> Swinepox virus
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 <211> 87
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 <211> 60
 <212> DNA
 <213> Canine oral papillomavirus

<400> 2737
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 <211> 73
 <212> DNA
 <213> Human herpesvirus 8
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 <210> 2739
 <211> 81
 <212> DNA
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 <211> 62
 <212> DNA
 <213> Paramecium bursaria Chlorella virus 1
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 <210> 2741
 <211> 88
 <212> DNA
 <213> Reston Ebola virus
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 <210> 2742
 <211> 63
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 2742
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 ttg 63
 <210> 2743
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 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 <212> DNA
 <213> Rabbit fibroma virus
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 <212> DNA
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 <213> Tobacco streak virus
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<212> DNA
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 <212> DNA
 <213> Human papillomavirus type 48
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<212> DNA
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 <211> 64
 <212> DNA
 <213> Human herpesvirus 1
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 <211> 102
 <212> DNA
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 <212> DNA
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 <213> Camelpox virus
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<213> Human herpesvirus 5
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 <212> DNA
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 <212> DNA
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 <213> Infectious hypodermal and hematopoietic necrosis virus
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 <212> DNA
 <213> Infectious hypodermal and hematopoietic necrosis virus
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 <212> DNA
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 <211> 131
 <212> DNA
 <213> Yaba-like disease virus
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 <212> DNA
 <213> Yaba-like disease virus
 <400> 2785
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 <210> 2786
 <211> 64
 <212> DNA
 <213> Yaba-like disease virus
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<213> Infectious hypodermal and hematopoietic necrosis virus
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 <213> Infectious hypodermal and hematopoietic necrosis virus
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 <212> DNA
 <213> Infectious hypodermal and hematopoietic necrosis virus
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 <212> DNA
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 <213> Molluscum contagiosum virus
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 <212> DNA
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 <213> Nudaurelia capensis beta virus
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 <213> Variola virus
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<212> DNA
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 <212> DNA
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 <212> DNA
 <213> Gallid herpesvirus 3
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 <212> DNA
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 <212> DNA
 <213> Chimpanzee cytomegalovirus
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<212> DNA
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 <213> Aichi virus
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 <212> DNA
 <213> Aichi virus
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 <211> 66
 <212> DNA
 <213> Human papillomavirus type 7
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 <212> DNA
 <213> Aichi virus
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<213> Avian carcinoma virus
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 <213> Bean leafroll virus
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 <212> DNA
 <213> Bean leafroll virus
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 <211> 68
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 <213> Bean leafroll virus
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 <212> DNA
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<212> DNA
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 <211> 130
 <212> DNA
 <213> Saimiriine herpesvirus 2
 <400> 2938
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 gcgccgcgtt 130
 <210> 2939
 <211> 76
 <212> DNA
 <213> Rabbit fibroma virus
 <400> 2939
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 tataagaaaa gtccca 76
 <210> 2940
 <211> 75
 <212> DNA
 <213> Human adenovirus F
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 aatttaagag atccg 75
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 <212> DNA
 <213> Human adenovirus F
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 atgaccta ctctc 75
 <210> 2942
 <211> 97
 <212> DNA
 <213> Human adenovirus F
 <400> 2942
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 tcgtttcat ctttatcac catatagtt ctaagat 97
 <210> 2943
 <211> 62
 <212> DNA
 <213> Human adenovirus F
 <400> 2943
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 ca 62
 <210> 2944
 <211> 90
 <212> DNA
 <213> Bovine enterovirus

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 gccattactt gccaaaaggg ggccgccgcc 90
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 <211> 65
 <212> DNA
 <213> Human adenovirus F
 <400> 2945
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 cacat 65
 <210> 2946
 <211> 68
 <212> DNA
 <213> Rat cytomegalovirus
 <400> 2946
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 gccccgtt 68
 <210> 2947
 <211> 130
 <212> DNA
 <213> Human herpesvirus 2
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 aaacactctt 130
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 <211> 104
 <212> DNA
 <213> Bovine enterovirus
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 aggggacctc ctccgggca acccttagca gttctgtgta tgcc 104
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 <212> DNA
 <213> Human herpesvirus 2
 <400> 2949
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 ttttg 66
 <210> 2950
 <211> 93
 <212> DNA
 <213> Monkeypox virus
 <400> 2950
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 attataata tcagataaag ggattaaaa atc 93
 <210> 2951
 <211> 61
 <212> DNA
 <213> Monkeypox virus

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 t 61
 <210> 2952
 <211> 76
 <212> DNA
 <213> Monkeypox virus
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 gaaagtgttc gggggc 76
 <210> 2953
 <211> 130
 <212> DNA
 <213> Human herpesvirus 2
 <400> 2953
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 agacctcatg 130
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 <212> DNA
 <213> Monkeypox virus
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 <211> 93
 <212> DNA
 <213> Monkeypox virus
 <400> 2955
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 aactccgggg ggaaggagaa aaaccgctcc ggc 93
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 <211> 61
 <212> DNA
 <213> Fowlpox virus
 <400> 2956
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 c 61
 <210> 2957
 <211> 67
 <212> DNA
 <213> Fowlpox virus
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 aatccgt 67
 <210> 2958
 <211> 76
 <212> DNA
 <213> Lumpy skin disease virus

<400> 2958
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 <212> DNA
 <213> Lumpy skin disease virus
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 cctcgtactg gttg 74
 <210> 2960
 <211> 83
 <212> DNA
 <213> Lumpy skin disease virus
 <400> 2960
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 tgagtttctg gtgacacacg cct 83
 <210> 2961
 <211> 67
 <212> DNA
 <213> Lumpy skin disease virus
 <400> 2961
 agatatcatg ggaggcgctg ggagaaagtc tcccagaaag tctcccagaa agtctcccag 60
 aaagtct 67
 <210> 2962
 <211> 126
 <212> DNA
 <213> Gallid herpesvirus 3
 <400> 2962
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 agataaaact ttttacgac tccatcagaa agagggttaa tattttgtg agaccatcga 120
 agagag 126
 <210> 2963
 <211> 114
 <212> DNA
 <213> Lumpy skin disease virus
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 aagcactctg tacggtaact gatatctacc tccgatgct gggcttgtag acat 114
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 <211> 98
 <212> DNA
 <213> Gallid herpesvirus 3
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 gtaatacata aattttagta tattaatatt atatttta 98
 <210> 2965
 <211> 73
 <212> DNA
 <213> Gallid herpesvirus 3

<400> 2965
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 tccttgacagg tga 73
 <210> 2966
 <211> 68
 <212> DNA
 <213> Gallid herpesvirus 3
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 ttgtttcc 68
 <210> 2967
 <211> 61
 <212> DNA
 <213> Gallid herpesvirus 3
 <400> 2967
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 t 61
 <210> 2968
 <211> 128
 <212> DNA
 <213> Gallid herpesvirus 3
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 agagataaaa ctttttacg actccatcag aaagagggtt aatattttg tgagaccatc 120
 gaagagag 128
 <210> 2969
 <211> 77
 <212> DNA
 <213> Gallid herpesvirus 3
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 ttggattggc agagtgg 77
 <210> 2970
 <211> 70
 <212> DNA
 <213> Gallid herpesvirus 3
 <400> 2970
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 atattttgt 70
 <210> 2971
 <211> 72
 <212> DNA
 <213> Gallid herpesvirus 3
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 tctcgctctc ac 72
 <210> 2972
 <211> 131
 <212> DNA
 <213> Variola virus

<400> 2972
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 gatttgagag acccctcgct tctcccagaa ctctagaccg gtgttttgaa gaatcttoga 120
 gagtctgggg g 131
 <210> 2973
 <211> 115
 <212> DNA
 <213> Variola virus
 <400> 2973
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 ctcataaaaa aagttttaca aaaatattt tattctctt ctctcttga tggc 115
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 <211> 71
 <212> DNA
 <213> Variola virus
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 actaccacgc g 71
 <210> 2975
 <211> 77
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 2975
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 atgttgaaat aacagta 77
 <210> 2976
 <211> 66
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 2976
 tatgtttata ataaatatta attaaaatga taaaattata atttttaat aattgtaaga 60
 gacata 66
 <210> 2977
 <211> 107
 <212> DNA
 <213> Chimpanzee cytomegalovirus
 <400> 2977
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 tgtattgat gtattttaa ttgtattga tgtatttag atataat 107
 <210> 2978
 <211> 86
 <212> DNA
 <213> Variola virus
 <400> 2978
 attatatgat tatagtttct attttacag taccttgact aaagtcctta gtcacacaat 60
 actaccaacc tacactatta tatgat 86
 <210> 2979
 <211> 130
 <212> DNA
 <213> Fowlpox virus

<400> 2979
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 aatataaaat attctttat ctattttgt atgttcatt gagtatatta atccttttt 120
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 <210> 2980
 <211> 67
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 2980
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 gtagggc 67
 <210> 2981
 <211> 70
 <212> DNA
 <213> Fowlpox virus
 <400> 2981
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 atagataaac 70
 <210> 2982
 <211> 90
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 2982
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 tgaccgagca tccactgtac aaatgcggca 90
 <210> 2983
 <211> 63
 <212> DNA
 <213> Human herpesvirus 2
 <400> 2983
 agctgggtac tataaaaatc aaaccacaga taggttatac tataattctg aatggggccc 60
 gct 63
 <210> 2984
 <211> 75
 <212> DNA
 <213> Human herpesvirus 2
 <400> 2984
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 ctttattaca acgag 75
 <210> 2985
 <211> 83
 <212> DNA
 <213> Human herpesvirus 4
 <400> 2985
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 tttgcgcgg aaatatttt gca 83
 <210> 2986
 <211> 64
 <212> DNA
 <213> Fowlpox virus

<400> 2986
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 aaat 64
 <210> 2987
 <211> 100
 <212> DNA
 <213> Fowlpox virus
 <400> 2987
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 attaataaag ttctcataat ccgattcttt tacaaaggac 100
 <210> 2988
 <211> 74
 <212> DNA
 <213> Tupaia herpesvirus
 <400> 2988
 gcttggcgtt tggattgtct attccaatgc aaatagcatt ggagggtata tatgacaatc 60
 ttaagagacc aggt 74
 <210> 2989
 <211> 72
 <212> DNA
 <213> Human herpesvirus 4
 <400> 2989
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 gtcaaagatt aa 72
 <210> 2990
 <211> 125
 <212> DNA
 <213> Fowlpox virus
 <400> 2990
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 agggg 125
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 <211> 87
 <212> DNA
 <213> Human herpesvirus 4
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 cgtagctaaa tttaatgtt ttctgt 87
 <210> 2992
 <211> 81
 <212> DNA
 <213> Human herpesvirus 4
 <400> 2992
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 acatcttatt ggcaggaggc c 81
 <210> 2993
 <211> 102
 <212> DNA
 <213> Fowlpox virus

<400> 2993
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 tggctacgcc aggggtacacc actccattat ctatttactt cg 102
 <210> 2994
 <211> 69
 <212> DNA
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 <400> 2994
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 cgcgccggc 69
 <210> 2995
 <211> 93
 <212> DNA
 <213> Monkeypox virus
 <400> 2995
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 aagtcgagag cctcgtgttc gtcgcagttg cgc 93
 <210> 2996
 <211> 65
 <212> DNA
 <213> Monkeypox virus
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 cgggg 65
 <210> 2997
 <211> 63
 <212> DNA
 <213> Monkeypox virus
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 ctg 63
 <210> 2998
 <211> 67
 <212> DNA
 <213> Lumpy skin disease virus
 <400> 2998
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 gtaggga 67
 <210> 2999
 <211> 61
 <212> DNA
 <213> Murid herpesvirus 4
 <400> 2999
 ggagtgtgac aacatattat cattattat tggaacaaa gttgtctctg agtacatctc 60
 c 61
 <210> 3000
 <211> 74
 <212> DNA
 <213> Melanoplus sanguinipes entomopoxvirus
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 cttgtcggcc tttt 74
 <210> 3001
 <211> 67
 <212> DNA
 <213> Lumpy skin disease virus
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 gacgcgg 67
 <210> 3002
 <211> 76
 <212> DNA
 <213> Murid herpesvirus 4
 <400> 3002
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 cactgaata tagcct 76
 <210> 3003
 <211> 67
 <212> DNA
 <213> Tobacco mild green mosaic virus
 <400> 3003
 ctgtgtccaa agttttaagt acggaccgct atgtccagcg taccaacctg tactattatg 60
 gaggcag 67
 <210> 3004
 <211> 64
 <212> DNA
 <213> Tobacco mild green mosaic virus
 <400> 3004
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 gggg 64
 <210> 3005
 <211> 72
 <212> DNA
 <213> Tobacco mild green mosaic virus
 <400> 3005
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 aacctacca tt 72
 <210> 3006
 <211> 67
 <212> DNA
 <213> Lumpy skin disease virus
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 ccggcgt 67
 <210> 3007
 <211> 65
 <212> DNA
 <213> Lumpy skin disease virus
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gctaa 65
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<211> 80
<212> DNA
<213> Rat cytomegalovirus
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acggagcgcac tggtaaagcg 80
<210> 3009
<211> 106
<212> DNA
<213> Rat cytomegalovirus
<400> 3009
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tctattactg actttaatat tgatacatatc attaatgacc tggtagg 106
<210> 3010
<211> 65
<212> DNA
<213> Murid herpesvirus 4
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<211> 62
<212> DNA
<213> Tobacco mild green mosaic virus
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gc 62
<210> 3012
<211> 131
<212> DNA
<213> Rat cytomegalovirus
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gggccccgtg g 131
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<211> 62
<212> DNA
<213> Rat cytomegalovirus
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gg 62
<210> 3014
<211> 76
<212> DNA
<213> Tick-borne encephalitis virus
<400> 3014
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gcgagcacct ttctgc 76
 <210> 3015
 <211> 63
 <212> DNA
 <213> Rat cytomegalovirus
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 gcc 63
 <210> 3016
 <211> 85
 <212> DNA
 <213> Rat cytomegalovirus
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 gttgtttgtt ctgtggaaat atttt 85
 <210> 3017
 <211> 103
 <212> DNA
 <213> Rat cytomegalovirus
 <400> 3017
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 tgtctttgac gttgtcaagg atgtggcttg caagcacgat ttc 103
 <210> 3018
 <211> 131
 <212> DNA
 <213> Tick-borne encephalitis virus
 <400> 3018
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 accgtaagac gttctcgtcc acgttctccc gtagtgaccg cgtgatcctc ggcccagtga 120
 ggcgagacc t 131
 <210> 3019
 <211> 79
 <212> DNA
 <213> Cowpox virus
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 tattttaag aggccactt 79
 <210> 3020
 <211> 82
 <212> DNA
 <213> Tick-borne encephalitis virus
 <400> 3020
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 ggctctgggc agtcaacggc tc 82
 <210> 3021
 <211> 64
 <212> DNA
 <213> Cowpox virus
 <400> 3021
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tgaa 64
 <210> 3022
 <211> 80
 <212> DNA
 <213> Cowpox virus
 <400> 3022
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 <210> 3023
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 <212> DNA
 <213> Cowpox virus
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 tccaagatgt agaa 74
 <210> 3024
 <211> 60
 <212> DNA
 <213> Saccharomyces cerevisiae killer virus M1
 <400> 3024
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 <210> 3025
 <211> 65
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 ttgcc 65
 <210> 3026
 <211> 117
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
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 ctatccacag atttagatca gtttcctttg ggccgtaagt ttcttttgca actgggt 117
 <210> 3027
 <211> 73
 <212> DNA
 <213> Amsacta moorei entomopoxvirus
 <400> 3027
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 agtggctccc tgg 73
 <210> 3028
 <211> 130
 <212> DNA
 <213> Encephalomyocarditis virus
 <400> 3028
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 gaagagagaa 130

<210> 3029
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 <212> DNA
 <213> Encephalomyocarditis virus
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 cgaagagag 129
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 <211> 84
 <212> DNA
 <213> Variola virus
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 caggggatac acacacggcg tttt 84
 <210> 3031
 <211> 83
 <212> DNA
 <213> Variola virus
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 tctatgcact gcttcgcagc gtc 83
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 <212> DNA
 <213> Variola virus
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